

**AGENDA**  
Inland Wetland Agency  
**REGULAR MEETING**  
**Monday, October 1, 2012**  
Council Chambers, Audrey Beck Building

**Call to Order:**      7:00 PM

**Review of Minutes of Previous Meetings and Action Thereon:**

9.04.2012 - Regular Meeting  
9.12.2012 - Field Trip

**Communications:**

Conservation Commission: W1501 - Block  
GM Monthly Business memorandum

**Public Hearings:**

None

**Old Business:**

W1501 - Block - Hanks Hill Rd - unit replacement in 150' area.

**Pending:**

W1502 - Wetlands Violation Ordinance - tabled  
We have also received notice of new statute changes

**New Business:**

**New Application:**

W1504 - Kueffner - Rte 195 - Treescape

**Request for Exemption:**

W1503 - Town of Mansfield - Sunny Acres Park

**Modifications:** W1492 - Healey - barn renovation

W1490 - Eastbrook Mall - retaining wall changes

**Reports of Officers and Committees:**

**Other Communications and Bills:**

**Adjournment:**

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**DRAFT MINUTES**  
**MANSFIELD INLAND WETLANDS AGENCY**  
**Regular Meeting on Tuesday, September 4, 2012**  
**Council Chambers, Audrey P. Beck Municipal Building**

Members present: J. Goodwin (Chairman), B. Chandy, K. Holt, B. Pociask, K. Rawn, B. Ryan  
Members absent: R. Hall, G. Lewis, P. Plante  
Alternates present: A. Marcellino, V. Ward, S. Westa  
Staff present: Grant Meitzler, Wetlands Agent

Chairman Goodwin called the meeting to order at 7:04 p.m., and appointed Ward and Westa to act in members' absence. Marcellino stated for the record he has been sworn in by the Town Clerk. He was asked to observe for his first meeting.

**Minutes:**

8-6-12 – Regular Meeting- Ryan MOVED, Ward seconded, to approve the 8-6-12 minutes as written.

MOTION PASSED with all in favor except Pociask who disqualified himself. Westa stated that she listened to the recording.

8-6-12 – Joint Meeting- Ryan MOVED, Ward seconded, to approve the 8-6-12 minutes as written. MOTION PASSED with all in favor except Pociask who disqualified himself. Westa stated that she listened to the recording.

8-28-12-Field Trip- Ryan MOVED, Ward seconded, to approve the 8-28-12 minutes as written. MOTION PASSED with Goodwin, Chandy, Holt, Ryan, Ward and Westa in favor, and all others disqualified.

**Communications:**

The 8-16-12 Wetlands Agent's Monthly Business report was noted.

**Public Hearings:**

None.

**Old Business:**

W1500 – Tolis – Hickory Lane – above-ground pool and deck

Holt MOVED, Ryan seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to Paul Tolis (file # W1500), for the construction of an above-ground pool and deck in the wetland buffer, on property owned by the applicant, located at 37 Hickory Lane, as shown on plans dated January 30, 2006, revised to July 31, 2012, and as described in other application submissions.

This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls shall be in place prior to construction, maintained during construction and removed when disturbed areas are completely stabilized.

This approval is valid until September 4, 2017, at which time a renewal of the permit is required if work has not been completed. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this Agency for further review and comment. MOTION PASSED with all in favor except Pociask who disqualified himself.

**New Business:**

**W1501-Block – 8-22 Hanks Hill Road – Unit Replacement**

Ryan MOVED, Holt seconded, to receive the application submitted by Michael Block of Block Properties, LLC, (File # W1501) under the Wetlands and Watercourses Regulations of the Town of Mansfield for a unit replacement in buffer, on property located at 8-22 Hanks Hill Road, as shown on a map revised to 8-22-12 and as described in application submissions, and to refer said application to staff and Conservation Commission for review and comments. MOTION PASSED UNANIMOUSLY.

**Potential Wetlands Violation Ordinance**

Linda Painter, Director of Planning and Development, briefed the Agency on the Regulatory Review Committee's discussion and reasons for writing a wetlands violation ordinance. The consensus of the Agency was to direct staff to work with the Town Attorney and Regulatory Review Committee to draft a wetlands violation ordinance and bring it back to the Agency for review.

**Field Trip:**

The Chairman acknowledged the need for a field trip for the Block application, date and time to be determined at the PZC meeting to follow.

**Adjournment:**

The Chairman declared the meeting adjourned at 7:10 p.m.

Respectfully submitted,

Katherine Holt, Secretary

DRAFT MINUTES

MANSFIELD PLANNING AND ZONING COMMISSION  
INLAND WETLANDS AGENCY  
CONSERVATION COMMISSION  
FIELD TRIP

Special Meeting

Wednesday, September 12, 2012

Members present: J. Goodwin, K. Holt, A. Marcellino, B. Ryan, V. Ward  
Others present: S. Lehman, Conservation Commission  
Staff present: G. Meitzler, Wetlands Agent/Assistant Town Engineer  
L. Painter, Director of Planning and Development

The field trip began at 3:30 p.m.

1. Block – 8-22 Hanks Hill Road – mobile home unit replacement, W1501  
Members were met on site by home owner Michael Block. Members observed current conditions, and site characteristics. No decisions were made.
2. Whispering Glen- 73 Meadowbrook Lane- Special Permit Application- 54 Residential Apartments, PZC File #1284-2  
Members observed current conditions, and site characteristics. No decisions were made.

The field trip ended at approximately 4:40 p.m.

Respectfully submitted,

K. Holt, Secretary

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Town of Mansfield  
**CONSERVATION COMMISSION**  
Meeting of 19 September 2012  
Conference B, Audrey P. Beck Building  
(draft) MINUTES

*Members present:* Joan Buck (Alt.), Robert Dahn, Quentin Kessel, Scott Lehmann. *Members absent:* Aline Booth (Alt.), Neil Facchinetti, Peter Drzewiecki, Frank Trainor, John Silander. *Others present:* Grant Meitzler (Wetlands Agent), Linda Painter (Town Planner).

1. The meeting was called to order at 7:31p by Chair Quentin Kessel. Alternate Joan Buck was designated a voting member for this meeting. {John Silander came to the meeting but was excused before it was called to order when it was clear that he was not needed for a quorum; he was to leave for Vladivostok the next day.}

2. The draft minutes of the 18 July 2012 meeting were approved as written; the August meeting was cancelled.

3. **State Plan of Conservation and Development.** Linda Painter informed the Commission that the State is in the process of updating its Plan of Conservation and Development, which is supposed to guide project planning and funding by state agencies. Much of the guidance will be provided by maps that place particular parcels of land in *conservation, development, or balance* zones, depending upon whether such parcels meet certain criteria. There are six conservation criteria (e.g., prime agricultural land, wetlands, critical habitat) and six development criteria (e.g., water/sewer connections, census block classified as urban, mass transit access).

The idea is to direct development projects and funding to development zones and conservation projects and funding to conservation zones. Balance zones satisfy some conservation criteria and some development criteria; projects in this zone would require balancing conservation and development. To prioritize projects and funding, conservation and development areas are further classified by how many of the conservation or development criteria they meet. Since funding is always limited, the state might consider funding only projects in “high priority” conservation or development zones that meet at least 5 of the 6 criteria for such zones.

Since the Town depends upon state funding for many projects, it is important that its own Plan of Conservation and Development be aligned with the State’s Plan, preferably by having State maps reflect the Town’s conservation and development goals.

Some concerns about the State’s zoning procedure emerged in discussion: (1) Areas classified as “high priority” development zones may not be eligible for state grants for open space purchases, although open space may be particularly valuable for residents of these zones; surely urban parks can add a great deal to the quality of life in urban areas. (2) Balance zones can lump together parcels of very different character – for example, parcels that would be zoned “high priority” conservation areas but for satisfying one of the development criteria and parcels that would be zoned “high priority” development areas but for satisfying one of the conservation criteria.

4. **PZC Applications.** Painter reported to the Commission on several applications before the PZC.

a. **PZC 1284-2 (Whispering Glen, 73 Meadowbrook Rd)** In 2009 the PZC approved a development with 37 condominium units on this site. The developers have reconsidered the market for large condominiums and are now asking for approval of 54 smaller units instead.

The Commission considered the original application at its meeting of 18 March 2009. Since the amended application calls for even greater density, the Commission's comments on W1424, quoted here from the minutes, are worth reiterating:

- The design of the stormwater management system should be scrutinized to insure that it is up to the task; uncontrolled runoff could erode the steep slope and dump sediment into the wetland and brook below.
- The erosion potential of the trail providing access to the conservation area could be reduced by running it along the bottom of the slope rather than half-way up.
- To enhance protection of the wetland and brook, the steep slope should be included in the conservation area.
- Given the high density of development and the potential for storm-water impacts on the slope and wetlands below, the Commission suggests eliminating those units proposed for construction within the regulated area.

b. **PZC 1312 (Healey Banquet Hall, 476 Storrs Rd)** This barn-conversion project has been approved by the IWA. The applicant is now seeking PZC approval for overflow parking on Town land and for exceptions to zoning regulations concerning set-back, building height, and the like – issues outside the Commission's purview.

c. **PZC 1246-10 (Storrs Center)** The Storrs Center developers propose to replace planned retail buildings with underground parking along Rte. 195 from Post Office Rd to the old Storrs Drug location with a small retail building at the corner, a parking lot, and then a small supermarket. Drainage and wetlands would not be affected by this change.

d. **PZC 1311 (Sauve subdivision, North Windham Rd)** This is a pre-application submission for a 3-lot subdivision off N. Windham Rd. {Lehmann participated in the 28 August Field Trip to the site; his report is attached.} The applicants propose a common driveway from N. Windham Rd. to access three lots on a plateau to the north; frontage on the road, along with wetland, an open area, and an open meadow below and west of the plateau would be dedicated open space. Kessel reported that the Open Space Committee had discussed an alternate proposal: enlarge one of the lots to include all the open space areas and protect them with conservation easements. Lehmann was not enthusiastic about this, pointing out that dedicated open space areas to the west would enhance Mansfield Hollow State Park (to which they are adjacent) and that conservation easements on private land do not afford public access. {Painter left the meeting.}

**5. IWA referral: W1501 (Block, 8-22 Hanks Hill Rd)** An old 12x60 ft 'mobile home' has been removed and a pad prepared for a new 27x48 ft modular unit (which, in virtue of its shorter length, would be a little farther from a drainage stream). Like all the other units in this development, this one would be served by UConn water and sewer. The Commission agreed unanimously (**motion: Dahn, Lehmann**) that no significant impact on wetlands was likely.

**6. Annual Report.** With insertion of "together with the Conservation Commissions of Ashford and Willington" between "and" and "hosted" in the third bullet under "Accomplishments", the Commission unanimously approved (**motion: Buck, Dahn**) the FY2011-12 Report drafted by Linda Painter and thanked her for preparing it.

**7. Updates.** Kessel reported that EIEs for the 4-Corners Water & Sewer Project and UConn's Hazardous Waste Transfer Station are still forthcoming.

**8. Adjourned at 8:44p.** Next meeting: 7:30p, Wednesday, 17 October 2012.

Scott Lehmann, Secretary, 20 September 2012.



## Attachment: Field Trip Reports

### 28 August Field Trip

W 1500 (Tolis, Hickory La). An above-ground pool & deck is proposed on a level terrace near the house. The edge of the terrace is formed by a stone retaining wall, below which lawn slopes to wetlands (about 80 ft from the proposed pool at the closest point). A catastrophic failure of the pool wall that quickly emptied 1K ft<sup>3</sup> of water into the wetland might not be good for it, but this seems too unlikely to worry about.

PZC 1311 (Sauve, North Windham Rd). A 3-lot subdivision will be proposed for a 10.7-acre site fronting on Windham Rd; this was a pre-application visit. Existing buildings on North Windham Rd. would be demolished; a common driveway would access three lots on a plateau in the east central portion of the property; stone walls would be undisturbed, save for one driveway cut. The well-planned tour climbed to the plateau and circled the area proposed for development. On the west, the plateau slopes steeply down to wetland and two attractive open areas adjoining Mansfield Hollow State Park; this portion of the property would be open space. On the southeast, the plateau also slopes steeply down to an isolated piece of the Park on the north side of North Windham Rd. The plateau appears to have been logged within the past five years or so, and what remains there is mostly low-value pine. In my view, the area proposed for open space is the area of greatest conservation-value. The only suggestion I'd make is to protect the steep slopes west and southeast of the plateau with conservation easements.

### 12 September Field Trip

W 1501 (Block, 8-22 Hanks Hill Rd) The proposal is to replace a single-wide (12 ft) modular unit with a double-wide (24 ft) one. The new unit is shorter and would therefore be slightly farther from a drainage ditch behind it that carries runoff from Hanks Hill Rd and beyond into a wetland below. Like the other units in this "mobile home" park, this one would be connected to UConn water and sewer. By the time of the site visit, the old unit was gone and a widened pad was ready for the new one. It's hard for me to see a significant wetlands impact from this project, especially if impact is reckoned relative to the old installation.

PZC 1284-2 (Whispering Glen, 73 Meadowbrook La) The housing slump has led the developers of this parcel to reconsider their PZC-approved proposal to construct 30-some large townhouse units and to propose 54 smaller ones instead. Relative to the original plan, the development's layout, landscaping, and open space dedication seem unchanged, but units are smaller and some "active" recreation facilities (for horseshoes & volleyball) have been added. The developer did not show up for our visit; we walked the length of the area to be developed on an old driveway, but did not see much of interest (the area is now pretty jungly). There may be a question of whether provision for open space and recreation is sufficient, given that more people will be housed in the development. However, the portion of the property of greatest conservation-value – the area along Conantville Brook – is already included in dedicated open space.

Scott Lehmann, 13.IX.12

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Memorandum:

September 26, 2012

To: Inland Wetland Agency  
From: Grant Meitzler, Inland Wetland Agent  
Re: Monthly Business

**W1419 - Chernushek - hearing on Order**

- 3.10.09: The hearing on the Order remains open and should continue until the permit application under consideration is acted upon.  
(The Order was dropped on approval of the application required in the Order.)
- 4.30.09: Former rye grass seeding is beginning to show green. I spoke with Mr. Chernushek this afternoon who indicated health problems that delayed his starting but indicated he will be working this weekend. I will update on this Monday evening.
- 5.26.09: A light cover of grass growth has come in. Mr. Chernushek indicates health problems and two related deaths have delayed his start of work since the permit approval was granted. It appears that some light work has started. He has further indicated that he will start a vacation on June 22, 2009 to finish the work.
- 6.13.09: Work is underway.
- 6.21.09: Bulldozer work has been completed - finish work remains. The additional silt fencing has been placed along the northerly wetlands crossing, and the additional pipe under the southerly crossing has been installed. Remaining work includes finish grading along edges, spreading stockpiled topsoil, and establishing grass growth.
- 7.01.09: I spoke with Mr. Chernushek who indicated he expects work to be completed by September 1, 2009. (Site photo attached).
- 9.03.09: Mr. Chernushek has been working on levelling and grading. The formerly seeded areas have become fairly thick growth surrounding the central wet areas. He has further indicated that with the combination of weather and the slower moving of earth with the payloader compared to the earlier rented bulldozer has led him to contact contractors for earth moving estimates which have not yet been received. The site is not yet finished but has remained quite stable.
- 9.12.09: I met with Mr. Chernushek today and discussed again what his plans are for stabilizing this work site.
- 10.01.09: Mr. Chernushek indicated he has not heard back from the contractor he had spoken with about removing material, and is in progress of contacting others. In discussion is removal of material from the site either within the 100 cubic yard limit or obtaining a permit for such removal.
- 10.28.09: Mr. Chernushek has indicated he has made arrangements with DeSiato Sand & Gravel to remove 750 cubic yards of material. Staff is in the process of clarifying permit requirements.

**W1445 - Chernushek - application for gravel removal from site**

- 11.30.09: Packet of information representing submissions by Mr. Chernushek, Mr. DeSiato and myself is in this agenda packet as Mr. Chernushek's request for modification.
- 12.29.09: Preparation of required information for PZC special permit application is in progress. Tabling any action until the February 1, 2010 meeting is recommended.
- 1.12.10: 65 day extension of time received.
- 2.18.10: No new information has been received.

- 2.25.10: This application has been **withdrawn**.
- 6.30.10: As viewed from the adjacent property, the upstream and downstream areas have grown to a decent protected surface. I did not see indication of sediment movement.
- 10.26.10: A sale of the East portion of the Chernushek property has been in negotiation.
- 12.27.10: The property exchange has been completed. The owner is now the neighboring property owner Bernie Brodin. He has indicated his intention to stabilize the area as weather permits.
- 4.25.11: Mr. Brodin indicates he is starting with grading and spreading hay and seed to stabilize disturbed areas.

**Mansfield Auto Parts - Route 32**

- 11.03.11: Inspection - two vehicles are within 25' of wetlands. Vehicle doors and a camper or trailer are stored in the extreme rear lot not approved by zoning for use.
- 11.30.11: Inspection - two vehicles are within 25' of wetlands. Employees indicate cars will be moved soon. Payloader repair parts are to be there later today and cars will be moved as soon as parts are installed. Owner indicated in earlier discussion that the doors would be moved. Rate of tire removal has increased with a company in Massachusetts removing them by truckload. At time of this discussion (about a week ago) nearly 2,000 tires had been removed from the lot by the railroad tracks.
- 12.07.11: Inspection - two vehicles are within 25' of wetlands. Payloader repairs not yet completed. Weekly inspections will be made until the two vehicles and doors are moved.
- 12.27.11: Inspection - 1 vehicle within 25' of wetlands - owner indicates it will be moved this week. Payloader is back in operation. Owner indicates doors in "rear" lot will be moved this week. Large number of tires have been moved from lot by RR tracks - approximately 65% of tires have been removed.
- 2.01.12: Inspection - employee indicates payloader repair has had problems and the one car within 25' has not yet been moved. Tire removal has continued and about 90 percent of the tires have been removed. A truck from the company removing the tires arrived while I was at the site.
- 3.01.12: Inspection - owner indicates payloader is repaired. Owner indicates the one car within 25' will be moved. Tire removal is nearing completion.
- 3.28.12: On the way to see the car moved I found the payloader blocking the entrance drive to the rear area, with the mechanic under the hood. He indicated the new engine had stopped running on the way to move the remaining car. Inspection today showed the payloader in the same location.
- 5.01.12: Payloader remains in the same location with a bad motor.
- 5.17.12: Payloader and the one vehicle have been moved. There are no vehicles within 25' of wetlands.
- 6.22.12: Inspection - no vehicles are within 25' of wetlands.
- 7.10.12: Inspection - no vehicles are within 25' of wetlands.
- 8.16.12: Inspection - no vehicles are within 25' of wetlands.
- 9.19.12: Inspection - no vehicles are within 25' of wetlands.

**Informationals:**

**Logging Notice** - next to 298 Wormwood Hill Rd

For your information, this is a form starting to be used by at least the better logging companies. The land is a few hundred feet south of Hansen's pond on Wormwood Hill Rd. The indication is that there is one wetland crossing. This will be done with temporary bridge that will span the brook with each end resting on solid ground.

With arboriculture defined in the statutes as an exempt farming use, we have limited wetland permits for logging operations to the construction that may be required along with the tree cutting such as road construction or a constructed road crossing a wetland. Neither seems to apply here.

**Agent Approval** - Barton et al, 88 Mansfield Hollow Rd

This is for a 12'x 20' garden shed in the rear yard of the house at 88 Mansfield hollow Rd. The location staked is 80 feet from the edge of wetlands. This is to a garden shed placed on gravel and is within the existing yard areas.

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## WETLANDS DRAFT APPROVAL MOTION FOR:

\_\_\_\_\_ MOVED, \_\_\_\_\_ seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to Michael Block of Block Properties LLC (file #W 1501) for replacement of an existing single-wide mobile home with a double-wide unit on lot 22, on property owned by the applicant, located at 8-22 Hanks Hill Road, as shown on plans ~~dated 8/22/12~~, revised through 8/22/12, and as described in other application submissions, and as heard at Public Hearing(s) on \_\_\_\_\_.

This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

- ~~1. All erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized;~~
- ~~2. Maps shall not be signed until all DEP permit requirements have been addressed.~~

- (1) Although erosion and sedimentation controls may not be needed, care should be taken when grading existing lawn areas next to the new unit;
- (2) This approval does not extend to erecting a new shed on an old foundation on the opposite side of the brook.

This approval is valid for five years (until 08/27, 2017), at which time a renewal of the permit is required if work has not been completed. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment.

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Memorandum:

September 26, 2012

To: Inland Wetland Agency

From: Grant Meitzler, Inland wetland Agent

Re: W1501 - Block - Hanks Hill Rd - unit replacement in buffer

plan reference: dated revised 8.22.2012

This application is for replacement of a single 12'x 60' mobile home unit with a 27'x 48' double wide unit.

There are two distinct wetlands here are within 150' of the proposed new unit, as follow:

1. there is a manmade swale that runs along the easterly boundary and carries flow from Hanks Hill Rd in a flow channel that is about 2 to 3 feet wide. The flow is intermittent and qualifies as a watercourse.
2. there is a large wetland area a short distance behind the units in this park. This is the usual skunk cabbage, maple and shrub area seen along the edges of a brook. This area drains to the large brook parallel to and south of Hanks Hill Rd that eventually flows to the Fenton River.

The replacement is 12 feet shorter resulting in a 15' separation distance from the nearby swale. This is about 10' more separation than was the case with the single unit that was removed.

I do recommend allowing minor grading in existing lawn areas next to this unit's location.

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# TOWN OF WINDHAM WATER WORKS

174 Storrs Road  
Mansfield Center, CT 06250  
Tel. 860-465-3075 • FAX 860-465-3085

- ☒ Inland Wetlands Commission
- ☐ Zoning Commission
- ☐ Planning & Zoning Commission
- ☐ Zoning Boards of Appeals

TOWN:      ☐ Ashford      ☐ Chaplin      ☐ Eastford  
              ☐ Hampton      ☒ Mansfield      ☐ Pomfret  
              ☐ Union      ☐ Willington      ☐ Windham  
              ☐ Woodstock

INSPECTED BY:

  
\_\_\_\_\_  
Troy Quick      W.W.W. Watershed Inspector

DATE:                      September 19, 2012 WW file #M0212

The Windham Water Works has received notification of a proposed project per the requirements of Public Act 89-301.

## PROJECT DESCRIPTION:

Replacing one single wide mobile home with a double wide mobile home on Lot #22 of Hanks Hill Mobile Home Park, property is on the University sewer & water system

Applicant: Block Properties LLC

## COMMENTS:

The Windham Water Works has reviewed the proposed project and we would have no objections, we will monitor accordingly.

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Memorandum:

September 27, 2012

To: Inland Wetland Agency  
From: Grant Meitzler, Inland Wetland Agent  
Re: New Business for October 1, 2012 meeting

**New Application:**

W1504 - Kueffner - Storrs Rd - Treescape

|                           | yes       | no    |
|---------------------------|-----------|-------|
|                           | -----     | ----- |
| fee paid .....            | x         |       |
| notice to neighbors ..... | x         |       |
| map dated .....           | 9.25.2012 |       |

This application is for a treescape. Plans have been prepared by Fuss & O'Neill. The work involves a driveway and parking lot in regulated areas.

Receipt and referral to the Conservation Commission are appropriate provided required additional materials are received..

**Request for Exemption:**

W1503 - Town of Mansfield - Sunny Acres Park

|                           | yes       | no    |
|---------------------------|-----------|-------|
|                           | -----     | ----- |
| fee paid .....            | n.a.      |       |
| notice to neighbors ..... | n.a.      |       |
| map dated .....           | 9.12.2012 |       |

This request is for an exemption under Section 4.1 B (second) of the wetlands regulations:

"The following operations and uses shall be permitted, as non-regulated uses in wetlands and watercourses, provided they do not disturb the natural and indigenous character of the wetland or watercourse by removal or deposition of material, alteration or obstruction of water flow or pollution of the wetland or watercourse:

A. . . .

B. Outdoor recreation including play and sporting areas, golf courses, field trials, nature study, hiking, horseback riding, swimming, diving, camping, boating, water skiing, trapping, hunting, fishing and shell fishing where otherwise legally permitted and regulated."

C. . . .

The proposed work here is entirely in lawn areas except for a limited amount of brush starting to encroach on lawn area. None of the work is to take place in wetlands or watercourses.

There are two distinct work measures to be undertaken as follows:

1. remove existing play structures and replace 100 to 150' farther back, and
2. at a somewhat later date a 12 car parking area will be installed in areas near the front of the site using the present access drive to the site's lawn areas.

Greater detail and breakdown of proposed work measures has been provided with your packet.

**Modification Requests:**

W1492 - Healey - barn renovation

plan reference: dated 9.25.2012

For the wetlands application, approving this modification acknowledges the minor changes to the plans that have come about through plan review since the earlier approval.

W1490 - Eastbrook Mall - retaining wall changes

plan reference: dated 8.30.2012

The only change for these plans has been to eliminate the retaining wall in areas away from the Sawmill Brook. 50' of the retaining wall remains through areas closest to the brook to minimize potential impacts to the brook. Drainage from the now sloping areas is directed to the piped parking lot systems.

APPLICATION FOR PERMIT  
MANSFIELD INLAND WETLANDS AGENCY  
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268  
TEL: 860-429-3334 OR 860-429-3330  
FAX: 860-429-6863

| FOR OFFICE USE ONLY |         |
|---------------------|---------|
| File #              | U1504   |
| Fee Paid            | \$185-  |
| Date Received       | 9.27.12 |

Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact Grant Meitzler, Inland Wetlands Agent at the telephone numbers above.

Please print or type or use similar format for computer; attach additional pages as necessary.

Part A - Applicant

Name Kueffner/Stoddard

Mailing Address 192 Ravine Road

Storrs, CT Zip 06268-1503

Telephone-Home 860-805-3276 Telephone-Business 860-~~205~~ 481-0544

Title and Brief Description of Project

Seasonal Aerial Forest Ropes Course - a seasonal  
recreational use

Location of Project Route 195 (Storrs Rd) 1/2 mile South of Rt 32

Intended Start Date October/November 2012

Part B - Property Owner (if applicant is the owner, just write "same")

Name Christopher Kueffner

Mailing Address 192 Ravine Rd

Storrs, CT Zip 06268-1503

Telephone-Home 860-429-8829 Telephone-Business 860-805-3276

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature Ch Kueff date 9/27/12

Applicant's interest in the land: (if other than owner) \_\_\_\_\_

**Part C - Project Description (attach extra pages, if necessary)**

- 1) Describe in detail the proposed activity here or on an attached page. (See guidelines at end of application – page 6.)

Please include a description of all activity or construction or disturbance:

- a) in the wetland/watercourse  
b) in the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

See attached/accompanying Statement of Use Document.

- 2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) in the wetland/watercourse  
b) in the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

See attached/accompanying Statement of Use Document, Site Plans, and Wetland Delineation Report.

- 3) Describe the type of materials you are using for the project: As noted in plans, gravel parking ~~at~~ area with minimal macadam at apron (as required by DOT).

- a) include **type** of material used as fill or to be excavated See site details/plan  
b) include **volume** of material to be filled or excavated See site detail sheet/plans

- 4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).

Detailed in plans

**Part D - Site Description**

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

Flat woodland



### Part E - Alternatives

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

We considered an alternative driveway entrance, on the old logging  
road, but the sight lines did not meet DOT requirements  
The proposed entrance is ~~sight~~ sited to have minimal impact on the  
wetlands

### Part F - Map/Site Plan (all applications)

1) Attach to the application a map or site plan showing existing conditions and the proposed project in relation to wetland/ watercourses. Scale of map or site plan should be 1" = 40'; if this is not possible, please indicate the scale that you are using. A sketch map may be sufficient for small, minor projects. (See guidelines at end of application – page 6.)

2) Applicant's map date and date of last revision 9/25/12

3) Zone Classification RAP-90

4) Is your property in a flood zone?        Yes   ✓   No        Don't Know

### Part G - Major Applications Requiring Full Review and a Public Hearing

See Section 6 of the Mansfield Regulations for additional requirements.

### Part H - Notice to Abutting Property Owners

1) List the names and addresses of abutting property owners

| Name                                      | Address |
|-------------------------------------------|---------|
| <u>List accompanies full application.</u> |         |
| <u>List attached</u>                      |         |
|                                           |         |
|                                           |         |
|                                           |         |
|                                           |         |

2) **Written Notice to Abutters.** You must notify abutting property owners by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** (This is not needed for exemptions).

**Part I - Additional Notices, if necessary**

- 1) Notice to Windham Water Works is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW of your project within 7 days of sending the application to Mansfield--sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.
- 2) Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.
- 3) The Statewide Reporting Form (attached) shall be part of the application and specified parts must be completed and returned with this application.

**Part J - Other Impacts To Adjoining Towns, if applicable**

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? \_\_\_ Yes \_\_\_ ☒ No \_\_\_ Don't Know
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? \_\_\_ Yes \_\_\_ ☒ No \_\_\_ Don't Know
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? \_\_\_ Yes \_\_\_ ☒ No \_\_\_ Don't Know

**Part K - Additional Information from the Applicant**

Set forth (or attach) any other information which would assist the Agency in evaluating your application. *(Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.)*

**Part L - Filing Fee**

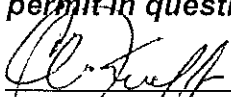
Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

\_\_\_ \$1,000. \_\_\_ \$750. \_\_\_ \$500. \_\_\_ \$250. \_\_\_ ☒ \$125. \_\_\_ \$100. \_\_\_ \$50. \_\_\_ \$25.

☒ \$60 State DEP Fee

*Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.*

**The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by members and agents of the Inland Wetlands Agency, at reasonable times, both before and after the permit in question has been granted by the Agency.**



Applicant's Signature

9/27/12  
Date



## 1 Executive Summary

The Applicant (Kueffner/Stoddard) proposes to develop a Seasonal Aerial Forest Ropes Course on less than ten acres of an approximately 120-acre parcel of land along Route 195 in Mansfield, Connecticut. In addition to the high ropes course and the aerial tree-mounted features, the proposed facility will include the installation of an entrance driveway, parking area, and stormwater treatment/management swales. These ground-mounted site improvements are limited to the northern portion of the property and will disturb approximately 1.25 acres of land.

The majority of stormwater runoff from the proposed improvements will be captured by shallow stormwater treatment/management swales prior to discharging to the existing wetland system along Route 195. These stormwater swales will improve stormwater quality by promoting infiltration of runoff, and will partially attenuate peak flows leaving the site by providing some temporary storage and promoting sheet flow discharge.

Existing and proposed hydrologic conditions for the developed area were evaluated. The evaluation demonstrates a slight increase in stormwater peak discharge from the proposed site for the 2-, 10-, 25-, and 100-year storm events as compared to existing conditions. Although peak stormwater flows will slightly increase in proposed conditions, the overall magnitude of the increases will not be significant (approximately 1 cubic-foot-per-second overall increase during a 25-year storm event).

Erosion and sedimentation control details and narratives for construction periods are provided in the site plans. E&S details and procedures are consistent with the 2002 Guidelines for Soil Erosion and Sedimentation Control, and town requirements.



## 2 Existing Conditions

The site is located along the south side of Route 195 approximately one-quarter mile west of Baxter Road in Mansfield, Connecticut. A Site Location Map is included as *Figure 1*.

In general, existing on-site drainage conditions may be characterized as follows:

- Runoff from approximately one acre of land on the eastern portion of the site sheet flows to the north, towards Route 195, down the existing hillside. Runoff from both the site and portions of Route 195 discharge into a wetland at the northeast corner of the site (denoted as Wetland "A" in the existing watershed analysis). This wetland drains easterly along Route 195. This outfall is denoted as link 1L, "Eastern Outfall".
- The remaining portions of the site follow a similar drainage pattern. Runoff sheet flows to the north, where it combines with runoff from Route 195 in one of two wetlands at the northwest corner of the site. The two wetlands (denoted as Wetland "B" and Wetland "C") are connected by a 12 inch corrugated metal pipe. These wetlands drain into a catch basin with an at-grade inlet, through a reinforced concrete pipe and culvert end discharging north of Route 195. The catch basin is denoted as link 2L, "Western Outfall".

The overall stormwater catchment areas contributing to the various outfalls were delineated to evaluate the existing hydrological conditions. In total, approximately 13.32 acres of land contribute to the subject drainage areas. These drainage areas are illustrated on sheet DRA-01 (Existing Drainage Areas), which is included in *Appendix A* along with the existing watershed model. Underlying soil types, as characterized by the Natural Resources Conservation Service Web Soil Survey, are depicted in *Figure 2*.

### 3 Proposed Conditions

Although the total facility will occupy slightly less than 10 acres of land, most facility components will be aerial tree-mounted features to support the high-ropes course. As such, only 1.25 acres of this land will be disturbed to construct necessary ground-mounted features, including an entrance driveway, a gravel parking area, a level pad for a temporary ticket/equipment storage shed, and several stormwater treatment/management swales. Overall, drainage patterns will continue to function the same as compared to existing conditions.

Five stormwater treatment/management swales will be installed along the northern (downgradient) edges of the proposed gravel parking area. These swales have been designed to capture runoff from the majority of the parking area, and will provide some storage volume for the attenuation of peak flows as well as for improvement of water quality. Excess stormwater leaving the swales will discharge via earthen weir, promoting sheet flow towards the wetland systems. Of the total 13.32 acre contributing drainage area, approximately 6.94 acres are captured by the proposed stormwater swales. The drainage model for proposed conditions has been further defined to model the performance of each stormwater swale.

The following tables summarize peak existing vs. proposed stormwater flows and volumes for the watershed analysis.

| Table 1<br>2 Year Design Storm |                        |                        |                     |
|--------------------------------|------------------------|------------------------|---------------------|
| Design Point                   | Existing Flow<br>(CFS) | Proposed Flow<br>(CFS) | Net Change<br>(CFS) |
| Eastern Outfall                | 0.01                   | 0.09                   | 0.08                |
| Western Outfall                | 0.00                   | 0.08                   | 0.08                |
| Total                          | 0.01                   | 0.14                   | 0.16                |

| Table 2<br>10 Year Design Storm |                        |                        |                     |
|---------------------------------|------------------------|------------------------|---------------------|
| Design Point                    | Existing Flow<br>(CFS) | Proposed Flow<br>(CFS) | Net Change<br>(CFS) |
| Eastern Outfall                 | 0.16                   | 0.46                   | 0.30                |
| Western Outfall                 | 0.11                   | 0.62                   | 0.51                |
| Total                           | 0.27                   | 1.08                   | 0.81                |

| Table 3<br>25 Year Design Storm |                        |                        |                     |
|---------------------------------|------------------------|------------------------|---------------------|
| Design Point                    | Existing Flow<br>(CFS) | Proposed Flow<br>(CFS) | Net Change<br>(CFS) |
| Eastern Outfall                 | 0.32                   | 0.67                   | 0.35                |
| Western Outfall                 | 0.28                   | 0.99                   | 0.71                |
| Total                           | 0.60                   | 1.66                   | 1.06                |



| Table 4<br>100 Year Design Storm |                        |                        |                     |
|----------------------------------|------------------------|------------------------|---------------------|
| Design Point                     | Existing Flow<br>(CFS) | Proposed Flow<br>(CFS) | Net Change<br>(CFS) |
| Eastern Outfall                  | 0.77                   | 1.17                   | 0.40                |
| Western Outfall                  | 1.43                   | 1.92                   | 0.49                |
| Total                            | 2.20                   | 3.09                   | 0.89                |

Although peak stormwater flows will slightly increase in proposed conditions, the overall magnitude of the increases will not be significant relative to the frequency of the storm event (approximately 1 cubic-foot-per-second overall increase during a 25-year storm event). Moreover, installation of a detention system would require additional clearing, earthwork and impact to the existing wooded site, and would concentrate discharge outflows. *(Note that care has been taken to preserve large, established trees via the non-linear orientation and layout of the parking area.)*

Runoff catchment areas for the redevelopment were delineated to evaluate proposed hydrologic conditions. These watersheds are illustrated on sheet DRA-02, which is presented with associated calculations in *Appendix B*.



## 4 Construction Stormwater Management and Soil Erosion and Sedimentation Control

A detailed E&S control plan has been prepared for the site. During construction, measures will be taken to reduce erosion and manage sedimentation from disturbed surfaces. The following Best Management Practices (BMPs) will be employed:

- Existing stormwater collection structures (catch basins) will be fitted with filter fabric inserts to remove sediments from the run-off prior to entering the receiving drainage systems.
- Silt fence will be installed at clearing limits and the down-gradient perimeter of the disturbed portion of the site.
- Construction Entrances will be installed to prevent tracking of sediment off site.

These BMPs will protect downstream stormwater collection systems following construction. The plan has been prepared in accordance with the 2002 Erosion and Sedimentation Control Guidelines (DEEP Bulletin 34).

Erosion and sedimentation control (E&S) details and narratives for construction periods are provided in the site plans. E&S details and procedures are consistent with the 2002 Guidelines for Soil Erosion and Sedimentation Control (DEEP Bulletin 34), and town requirements.

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### 4.1 Post-Construction Stormwater Management

At the end of construction, all areas disturbed by construction activities shall be stabilized. As a result, the potential for erosion at this site after construction is minimal. Perimeter controls (i.e., silt fence) will be actively maintained until final stabilization of those portions of the site up-gradient of the perimeter control. Temporary perimeter controls will be removed after final stabilization.

The water quality of runoff from the developed site will be improved using widely accepted Best Management Practices (BMPs). The goal of the post-construction stormwater management is to remove 80% of the total suspended solids from stormwater. Water quality will be achieved for the site through the utilization of the stormwater management/treatment swales. Weir outlets will provide settling time necessary to remove sediment from the first-flush of runoff (1-inch of rainfall). This goal is consistent with those of Connecticut and federal stormwater regulations.

The required water quality volume (WQV) to be stored for the areas draining to the stormwater quality swales is 3,074 cubic feet, based on the drainage area collected by the swales, and conservatively assuming the gravel surface is completely impervious. The water quality swales provide a total storage volume of approximately 3,370 cubic feet. Therefore, the



proposed stormwater quality swales will provide the required WQV for the contributing drainage area. A spreadsheet depicting the WQV required for the contributing drainage areas is included in *Appendix B*.

These design measures incorporate commonly used Best Management Practices and follows guidelines set forth by the CT DEEP Stormwater Quality Manual and the Connecticut and federal stormwater regulations.





## 5 Methods

The watershed analysis for existing and proposed conditions was completed using the HydroCAD Software Solutions computer program. The HydroCAD program is based on NRCS TR-20 methods. The methods described in the NRCS TR-55 manual were followed to calculate the curve number and time of concentration input data for this model. A curve number of 98 was used for paved surfaces, while curve numbers of 76 to 91 were used for gravel parking lot surfaces depending on underlying soil types. Pervious surfaces were modeled using curve numbers of 32 to 80 depending on the general surface conditions and underlying soil types. These values are acceptable for surfaces over Hydrological Group-'A' soils per the NRCS TR-55 Drainage Manual.

PAGE  
BREAK



## WETLAND DELINEATION REPORT

PREPARED FOR: Kueffner Property

CONTACT: Lynn Stoddard

PROJECT TITLE: Kueffner Property

PROJECT LOCATION: Route 195, Mansfield

PROJECT NO: 20111004.A20

PROJECT DESCRIPTION: Wetland delineation for siting of a parking lot

DATE(S) OF INVESTIGATION: December 14, 2011

WEATHER: Sunny, 40F Rain (last 24 hours): 0.00 inches

### METHOD OF WETLAND/WATERCOURSE DELINEATION

Delineation: ☒ Connecticut Inland Wetlands & Watercourses  
☒ U.S. Army Corps of Engineers  
☐ Tidal Wetlands

Flag Number Sequence: A100-A118, B200-B241, C293-C312

Field Plotted: ☒ Site sketch ☐ Aerial photograph ☐ GPS (sub-meter) located  
☒ Site mapping: VT-01 Scale 1" = 30' Contours: 1 ft

### METHOD OF UPLAND SOIL DELINEATION

☒ Field Delineated ☐ Field confirmed NRCS soil mapping

### FIELD INVESTIGATION METHOD

☒ Spade & Auger ☐ Deep test pit (backhoe) ☐ Other: \_\_\_\_\_

### SOIL CONDITIONS

☐ Dry ☒ Moist ☐ Wet ☐ Frozen (\_\_\_\_ in.) ☐ Snow cover (\_\_\_\_ in.)

*The wetland and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance. Classification and mapping of soils on site were conducted in a manner consistent with the U.S. Department of Agriculture Soil Survey Manual (Soil Survey Staff, 1992). This delineation does not constitute an official wetland boundary until such time as it is accepted and approved by local, state or federal regulatory agencies.*

As Prepared By:

Joshua H. Wilson  
Soil Scientist



## WETLAND DELINEATION REPORT

### SUMMARY OF SOILS

#### *Wetland Soils*

Aquepts: Poorly to very poorly drained soils formed in human transported material or on excavated (cut) landscapes. This soil series was identified primarily by the "A" flag series, which appears to have been a borrow pit.

Aquepts: Poorly to very poorly drained soils with an aquic moisture regime and showing some soil development in the B-horizon. Soils mapped as Aquepts at the site belong to the Ridgebury, Leicester and Whitman series and were observed in wetland areas flagged with the "B" and "C" series.

#### *Upland Soils*

Udorthents: Well drained to excessively drained soils that have been disturbed by cutting or filling, and areas that are typically covered by buildings and pavement. These upland soils were observed associated with the existing logging road as well as spoil piles adjacent to the former "borrow pit."

Gloucester Somewhat excessively drained soils formed in sandy glacial till. They are nearly level to very steep soils ground moraine uplands and moraines.

### SUMMARY OF WATERCOURSE AND HYDROLOGY

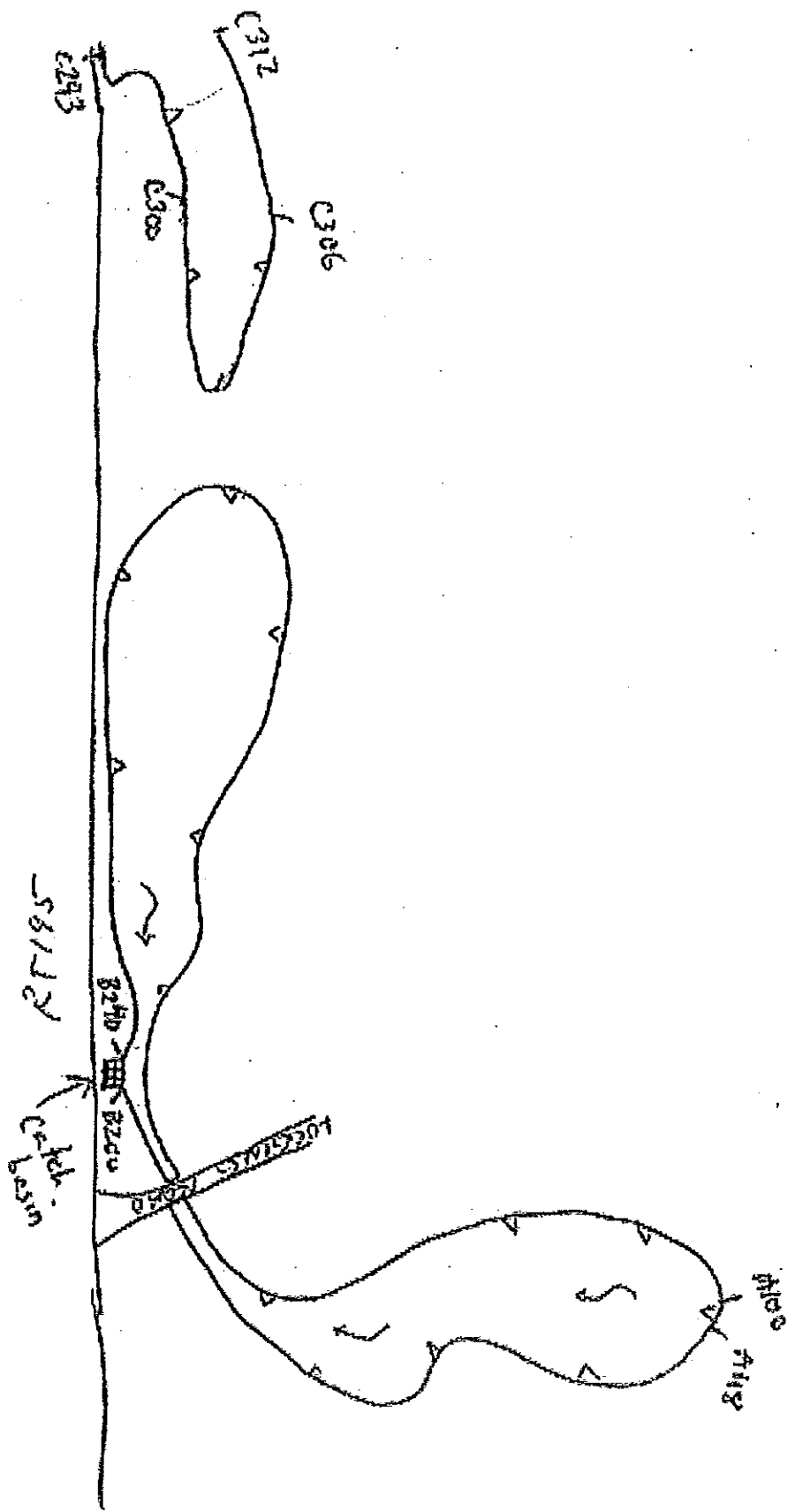
- There are no previously mapped watercourses on the site
- Groundwater seepage from the "borrow pit" develops into a small intermittent stream flowing in a northerly direction. This stream flows under the logging road and joins with surface discharge from wetland area "B"
- Surface drainage from wetland area "B" collects and flows in a westerly direction as an intermittent stream. The intermittent stream enters a culvert and flows northerly under Route 195.
- There is a tentative connection between wetland area "B" and "C" that appears to flow only during the most extreme precipitation events.

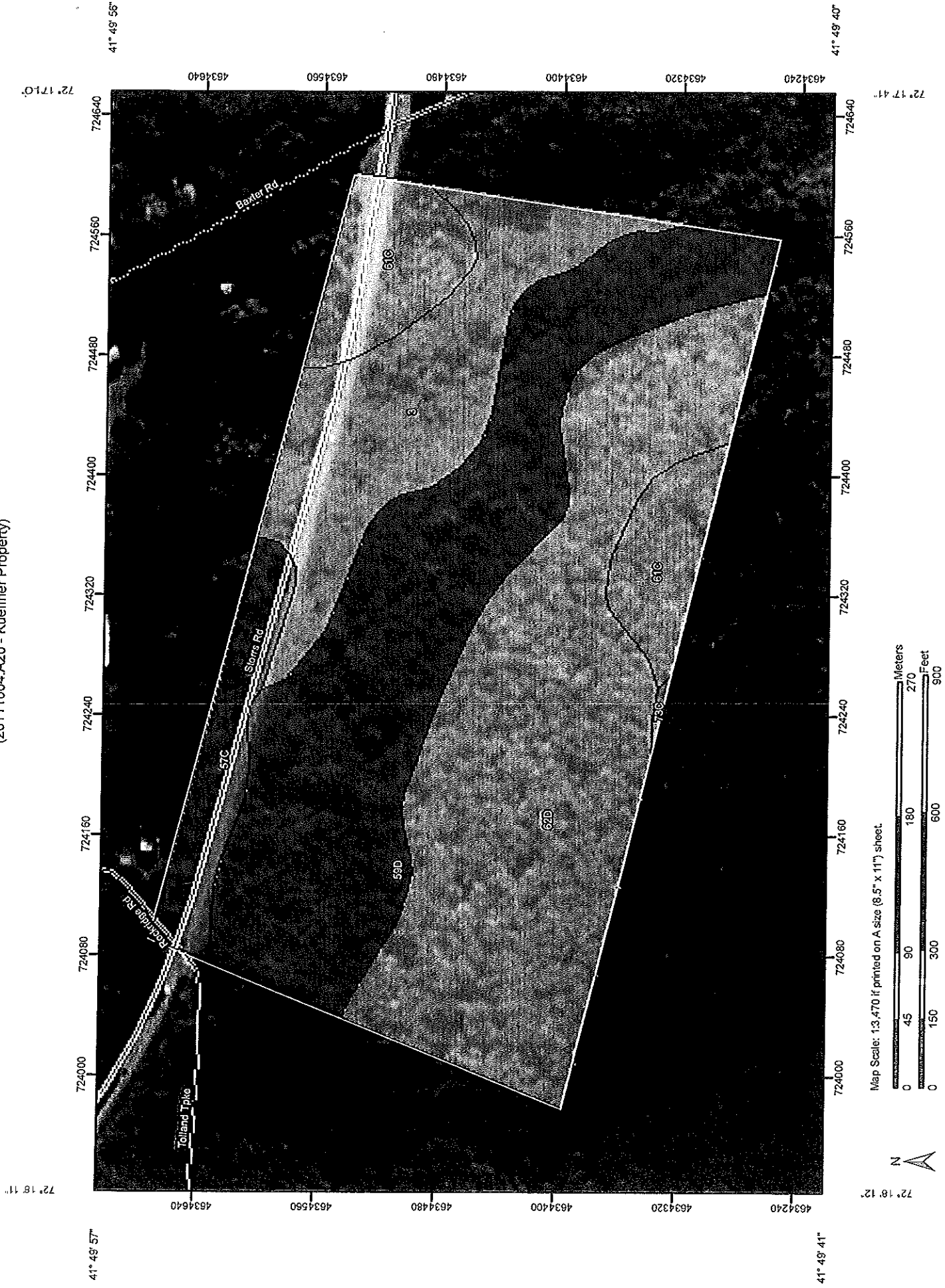
### SUMMARY OF WETLAND FUNCTION & VALUES ASSESSMENT

- The wetlands on site provide the following functions and/or values: groundwater discharge, sediment/toxicant retention, nutrient removal/renovation and production export.

### ATTACHMENTS

- Site sketch
- NRCS Soil Drainage Class Mapping
- Wetland Determination Forms





## MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Soil Ratings

- ☐ Excessively drained
- ☐ Somewhat excessively drained
- ☐ Well drained
- ☐ Moderately well drained
- ☐ Somewhat poorly drained
- ☐ Poorly drained
- ☐ Very poorly drained
- ☐ Subaqueous

Not rated or not available

Political Features

☐ Cities

Water Features

Streams and Canals

Transportation

+++ Rails

~ Interstate Highways

~ US Routes

~ Major Roads

~ Local Roads

## MAP INFORMATION

Map Scale: 1:3,470 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut  
Survey Area Data: Version 10, Mar 31, 2011

Date(s) aerial images were photographed: 8/16/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Drainage Class

| Drainage Class-- Summary by Map Unit -- State of Connecticut (CT600) |                                                                          |                              |              |                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------|--------------|----------------|
| Map unit symbol                                                      | Map unit name                                                            | Rating                       | Acres in AOI | Percent of AOI |
| 3                                                                    | Ridgebury, Leicester, and Whitman soils, extremely stony                 | Poorly drained               | 6.2          | 15.4%          |
| 57C                                                                  | Gloucester gravelly sandy loam, 8 to 15 percent slopes                   | Somewhat excessively drained | 2.3          | 5.6%           |
| 59D                                                                  | Gloucester gravelly sandy loam, 15 to 35 percent slopes, extremely stony | Somewhat excessively drained | 13.1         | 32.4%          |
| 61C                                                                  | Canton and Charlton soils, 8 to 15 percent slopes, very stony            | Well drained                 | 4.0          | 9.9%           |
| 62D                                                                  | Canton and Charlton soils, 15 to 35 percent slopes, extremely stony      | Well drained                 | 14.8         | 36.6%          |
| 73C                                                                  | Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky           | Well drained                 | 0.1          | 0.2%           |
| Totals for Area of Interest                                          |                                                                          |                              | 40.5         | 100.0%         |

## Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized--excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Kueffner Property City/County: Mansfield Sampling Date: 12/14/11  
 Applicant/Owner: Christopher Kueffner / Lynn Stoddard State: CT Sampling Point: B1U1  
 Investigator(s): Josh Wilson Section, Township, Range: N/A  
 Landform (hillslope, terrace, etc.): Tbe - hill slope Local relief (concave, convex, none): concave  
 Slope (%): 5 Lat: 41° 49' 52.85" N Long: 72° 18' 3.33" W Datum: WGS84  
 Soil Map Unit Name: Gloucester (S9) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)

Are Vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? Yes X No     

Are Vegetation     , Soil     , or Hydrology      naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                                                         |                             |                                               |                             |
|-------------------------------------------------------------------------|-----------------------------|-----------------------------------------------|-----------------------------|
| Hydrophytic Vegetation Present?                                         | Yes <u>    </u> No <u>X</u> | Is the Sampled Area within a Wetland?         | Yes <u>    </u> No <u>X</u> |
| Hydric Soil Present?                                                    | Yes <u>    </u> No <u>X</u> | If yes, optional Wetland Site ID: <u>    </u> |                             |
| Wetland Hydrology Present?                                              | Yes <u>    </u> No <u>X</u> |                                               |                             |
| Remarks: (Explain alternative procedures here or in a separate report.) |                             |                                               |                             |

## HYDROLOGY

|                                                                       |                                                         |                                                        |
|-----------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|
| Wetland Hydrology Indicators:                                         |                                                         | Secondary Indicators (minimum of two required)         |
| Primary Indicators (minimum of one is required; check all that apply) |                                                         |                                                        |
| <u>    </u> Surface Water (A1)                                        | <u>    </u> Water-Stained Leaves (B9)                   | <u>    </u> Surface Soil Cracks (B6)                   |
| <u>    </u> High Water Table (A2)                                     | <u>    </u> Aquatic Fauna (B13)                         | <u>    </u> Drainage Patterns (B10)                    |
| <u>    </u> Saturation (A3)                                           | <u>    </u> Marl Deposits (B15)                         | <u>    </u> Moss Trim Lines (B16)                      |
| <u>    </u> Water Marks (B1)                                          | <u>    </u> Hydrogen Sulfide Odor (C1)                  | <u>    </u> Dry-Season Water Table (C2)                |
| <u>    </u> Sediment Deposits (B2)                                    | <u>    </u> Oxidized Rhizospheres on Living Roots (C3)  | <u>    </u> Crayfish Burrows (C8)                      |
| <u>    </u> Drift Deposits (B3)                                       | <u>    </u> Presence of Reduced Iron (C4)               | <u>    </u> Saturation Visible on Aerial Imagery (C9)  |
| <u>    </u> Algal Mat or Crust (B4)                                   | <u>    </u> Recent Iron Reduction in Tilled Soils (C6)  | <u>    </u> Stunted or Stressed Plants (D1)            |
| <u>    </u> Iron Deposits (B5)                                        | <u>    </u> Thin Muck Surface (C7)                      | <u>    </u> Geomorphic Position (D2)                   |
| <u>    </u> Inundation Visible on Aerial Imagery (B7)                 | <u>    </u> Other (Explain in Remarks)                  | <u>    </u> Shallow Aquitard (D3)                      |
| <u>    </u> Sparsely Vegetated Concave Surface (B8)                   |                                                         | <u>    </u> Microtopographic Relief (D4)               |
|                                                                       |                                                         | <u>    </u> FAC-Neutral Test (D5)                      |
| Field Observations:                                                   |                                                         |                                                        |
| Surface Water Present?                                                | Yes <u>X</u> No <u>X</u> Depth (inches): <u>    </u>    | Wetland Hydrology Present? Yes <u>    </u> No <u>X</u> |
| Water Table Present?                                                  | Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> |                                                        |
| Saturation Present?                                                   | Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> |                                                        |
| (Includes capillary fringe)                                           |                                                         |                                                        |

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: BILL

| Tree Stratum (Plot size: <u>30'</u> ) |                      | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|---------------------------------------|----------------------|---------------------|----------------------|---------------------|
| 1.                                    | <u>Quercus rubra</u> | <u>70</u>           | <u>Y</u>             | <u>FACU</u>         |
| 2.                                    | <u>Pinus strobus</u> | <u>20</u>           | <u>Y</u>             | <u>FACU</u>         |
| 3.                                    | <u>Acer rubrum</u>   | <u>10</u>           | <u>N</u>             | <u>FAC</u>          |
| 4.                                    |                      |                     |                      |                     |
| 5.                                    |                      |                     |                      |                     |
| 6.                                    |                      |                     |                      |                     |
| 7.                                    |                      |                     |                      |                     |

100 = Total Cover

| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                             | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|------------------------------------------------|-----------------------------|---------------------|----------------------|---------------------|
| 1.                                             | <u>Carpinus caroliniana</u> | <u>10</u>           | <u>Y</u>             | <u>FAC</u>          |
| 2.                                             | <u>Hamamelis virginiana</u> | <u>5</u>            | <u>Y</u>             | <u>FAC</u>          |
| 3.                                             |                             |                     |                      |                     |
| 4.                                             |                             |                     |                      |                     |
| 5.                                             |                             |                     |                      |                     |
| 6.                                             |                             |                     |                      |                     |
| 7.                                             |                             |                     |                      |                     |

15 = Total Cover

| Herb Stratum (Plot size: <u>5'</u> ) |  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|--------------------------------------|--|---------------------|----------------------|---------------------|
| 1.                                   |  |                     |                      |                     |
| 2.                                   |  |                     |                      |                     |
| 3.                                   |  |                     |                      |                     |
| 4.                                   |  |                     |                      |                     |
| 5.                                   |  |                     |                      |                     |
| 6.                                   |  |                     |                      |                     |
| 7.                                   |  |                     |                      |                     |
| 8.                                   |  |                     |                      |                     |
| 9.                                   |  |                     |                      |                     |
| 10.                                  |  |                     |                      |                     |
| 11.                                  |  |                     |                      |                     |
| 12.                                  |  |                     |                      |                     |

\_\_\_\_\_ = Total Cover

| Woody Vine Stratum (Plot size: _____) |  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|---------------------------------------|--|---------------------|----------------------|---------------------|
| 1.                                    |  |                     |                      |                     |
| 2.                                    |  |                     |                      |                     |
| 3.                                    |  |                     |                      |                     |
| 4.                                    |  |                     |                      |                     |

\_\_\_\_\_ = Total Cover

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

| Total % Cover of:             | Multiply by:     |
|-------------------------------|------------------|
| OBL species <u>0</u>          | x 1 = <u>0</u>   |
| FACW species <u>0</u>         | x 2 = <u>0</u>   |
| FAC species <u>25</u>         | x 3 = <u>75</u>  |
| FACU species <u>90</u>        | x 4 = <u>360</u> |
| UPL species <u>0</u>          | x 5 = <u>0</u>   |
| Column Totals: <u>115</u> (A) | <u>435</u> (B)   |

Prevalence Index = B/A = 3.78

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.0<sup>1</sup>
- ☐ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes \_\_\_\_\_ No X

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: B141

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[illegible]

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

### Hydric Soil Indicators:

- |                                                               |                                                                          |
|---------------------------------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                        | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2)                 | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)       |
| <input type="checkbox"/> Black Histic (A3)                    | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)             |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                        |
| <input type="checkbox"/> Stratified Layers (A5)               | <input type="checkbox"/> Depleted Matrix (F3)                            |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)    | <input type="checkbox"/> Redox Dark Surface (F6)                         |
| <input type="checkbox"/> Thick Dark Surface (A12)             | <input type="checkbox"/> Depleted Dark Surface (F7)                      |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)             | <input type="checkbox"/> Redox Depressions (F8)                          |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)             |                                                                          |
| <input type="checkbox"/> Sandy Redox (S5)                     |                                                                          |
| <input type="checkbox"/> Stripped Matrix (S6)                 |                                                                          |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) |                                                                          |

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

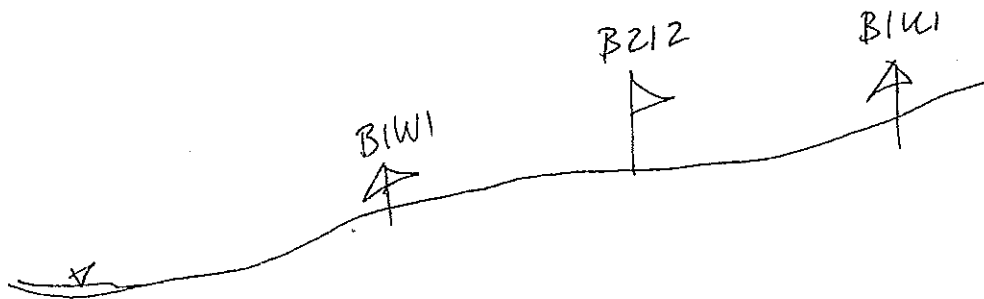
<sup>3</sup>Indicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic.

## Restrictive Layer (if observed):

Type: FI  
Depth (Inches): > 36"

Hydric Soil Present? Yes \_\_\_\_\_ No X

Remarks:



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Kneffner Property City/County: Mansfield Sampling Date: 12/14/11  
 Applicant/Owner: Christopher Kneffner / Lynn Stoddard State: CT Sampling Point: B1W1  
 Investigator(s): Josh Wilson Section, Township, Range: N/A

Landform (hillslope, terrace, etc.): Tee-hill slope Local relief (concave, convex, none): Concave  
 Slope (%): 5 Lat: 41° 49' 53.23" N Long: 72° 17' 59.66" W Datum: WGS84  
 Soil Map Unit Name: Ridgebury, Leicester, Whitman (3) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                                                                                     |                                                                                                           |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>            | If yes, optional Wetland Site ID: _____                                                                   |
| Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>      |                                                                                                           |

Remarks: (Explain alternative procedures here or in a separate report.)

## HYDROLOGY

### Wetland Hydrology Indicators:

#### Primary Indicators (minimum of one is required; check all that apply)

|                                                                    |                                                                                |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Surface Water (A1)             | <input type="checkbox"/> Water-Stained Leaves (B9)                             |
| <input checked="" type="checkbox"/> High Water Table (A2)          | <input checked="" type="checkbox"/> Aquatic Fauna (B13)                        |
| <input checked="" type="checkbox"/> Saturation (A3)                | <input type="checkbox"/> Marl Deposits (B15)                                   |
| <input type="checkbox"/> Water Marks (B1)                          | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                            |
| <input type="checkbox"/> Sediment Deposits (B2)                    | <input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift Deposits (B3)                       | <input checked="" type="checkbox"/> Presence of Reduced Iron (C4)              |
| <input type="checkbox"/> Algal Mat or Crust (B4)                   | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)            |
| <input type="checkbox"/> Iron Deposits (B5)                        | <input type="checkbox"/> Thin Muck Surface (C7)                                |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks)                            |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)   |                                                                                |

#### Secondary Indicators (minimum of two required)

|                                                                    |
|--------------------------------------------------------------------|
| <input type="checkbox"/> Surface Soil Cracks (B6)                  |
| <input type="checkbox"/> Drainage Patterns (B10)                   |
| <input type="checkbox"/> Moss Trim Lines (B16)                     |
| <input type="checkbox"/> Dry-Season Water Table (C2)               |
| <input type="checkbox"/> Crayfish Burrows (C8)                     |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Stunted or Stressed Plants (D1)           |
| <input checked="" type="checkbox"/> Geomorphic Position (D2)       |
| <input type="checkbox"/> Shallow Aquitard (D3)                     |
| <input type="checkbox"/> Microtopographic Relief (D4)              |
| <input checked="" type="checkbox"/> FAC-Neutral Test (D5)          |

#### Field Observations:

|                                                                                            |                            |
|--------------------------------------------------------------------------------------------|----------------------------|
| Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): _____      |
| Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>   | Depth (inches): <u>10"</u> |
| Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>    | Depth (inches): <u>0"</u>  |

(includes capillary fringe)

Wetland Hydrology Present? Yes ☒ No ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: BIW1

| Tree Stratum (Plot size: <u>30'</u> ) |                    | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|---------------------------------------|--------------------|---------------------|----------------------|---------------------|
| 1.                                    | <u>Acer rubrum</u> | <u>75</u>           | <u>Y</u>             | <u>FAC</u>          |
| 2.                                    |                    |                     |                      |                     |
| 3.                                    |                    |                     |                      |                     |
| 4.                                    |                    |                     |                      |                     |
| 5.                                    |                    |                     |                      |                     |
| 6.                                    |                    |                     |                      |                     |
| 7.                                    |                    |                     |                      |                     |

75 = Total Cover

| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                             | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|------------------------------------------------|-----------------------------|---------------------|----------------------|---------------------|
| 1.                                             | <u>Lindera benzoin</u>      | <u>20</u>           | <u>Y</u>             | <u>FACW</u>         |
| 2.                                             | <u>Carpinus caroliniana</u> | <u>10</u>           | <u>Y</u>             | <u>FAC</u>          |
| 3.                                             | <u>Vaccinium corymbosum</u> | <u>10</u>           | <u>Y</u>             | <u>FACW</u>         |
| 4.                                             | <u>Rosa multiflora</u>      | <u>5</u>            | <u>N</u>             | <u>FACW</u>         |
| 5.                                             |                             |                     |                      |                     |
| 6.                                             |                             |                     |                      |                     |
| 7.                                             |                             |                     |                      |                     |

22.5/9 45 = Total Cover

| Herb Stratum (Plot size: <u>5'</u> ) |                                         | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|--------------------------------------|-----------------------------------------|---------------------|----------------------|---------------------|
| 1.                                   | <u>Osmunda <del>sp</del> Cinnamomum</u> | <u>5</u>            | <u>Y</u>             | <u>FACW</u>         |
| 2.                                   | <u>Onoclea sensibilis</u>               | <u>.5</u>           | <u>Y</u>             | <u>FACW</u>         |
| 3.                                   |                                         |                     |                      |                     |
| 4.                                   |                                         |                     |                      |                     |
| 5.                                   |                                         |                     |                      |                     |
| 6.                                   |                                         |                     |                      |                     |
| 7.                                   |                                         |                     |                      |                     |
| 8.                                   |                                         |                     |                      |                     |
| 9.                                   |                                         |                     |                      |                     |
| 10.                                  |                                         |                     |                      |                     |
| 11.                                  |                                         |                     |                      |                     |
| 12.                                  |                                         |                     |                      |                     |

5/2 10 = Total Cover

| Woody Vine Stratum (Plot size: _____) |  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |
|---------------------------------------|--|---------------------|----------------------|---------------------|
| 1.                                    |  |                     |                      |                     |
| 2.                                    |  |                     |                      |                     |
| 3.                                    |  |                     |                      |                     |
| 4.                                    |  |                     |                      |                     |
|                                       |  |                     |                      |                     |

\_\_\_\_\_ = Total Cover

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

| Total % Cover of:             | Multiply by:     |
|-------------------------------|------------------|
| OBL species <u>0</u>          | x 1 = <u>0</u>   |
| FACW species <u>40</u>        | x 2 = <u>80</u>  |
| FAC species <u>85</u>         | x 3 = <u>255</u> |
| FACU species <u>5</u>         | x 4 = <u>20</u>  |
| UPL species <u>0</u>          | x 5 = <u>0</u>   |
| Column Totals: <u>130</u> (A) | <u>355</u> (B)   |

Prevalence Index = B/A = 2.7

Hydrophytic Vegetation Indicators:

☒ Rapid Test for Hydrophytic Vegetation

☒ Dominance Test is >50%

☒ Prevalence Index is ≤3.0<sup>1</sup>

— Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

— Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes ☒ No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: B/W1

[illegible]<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- |                                                                       |                                                                          |                                                                      |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B)       |
| <input type="checkbox"/> Histic Epipedon (A2)                         |                                                                          | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)     |
| <input type="checkbox"/> Black Histic (A3)                            | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)       | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                        | <input checked="" type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)  | <input type="checkbox"/> Dark Surface (S7) (LRR K, L)                |
| <input type="checkbox"/> Stratified Layers (A5)                       | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                        | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L)     |
| <input checked="" type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3)                            | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L)           |
| <input type="checkbox"/> Thick Dark Surface (A12)                     | <input type="checkbox"/> Redox Dark Surface (F6)                         | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)                     | <input type="checkbox"/> Depleted Dark Surface (F7)                      | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                     | <input type="checkbox"/> Redox Depressions (F8)                          | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B)   |
| <input type="checkbox"/> Sandy Redox (S5)                             |                                                                          | <input type="checkbox"/> Red Parent Material (TF2)                   |
| <input type="checkbox"/> Stripped Matrix (S6)                         |                                                                          | <input type="checkbox"/> Very Shallow Dark Surface (TF12)            |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B)         |                                                                          | <input type="checkbox"/> Other (Explain in Remarks)                  |

Restrictive Layer (if observed):

Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes X No

# Request for Exemption

APPLICATION FOR PERMIT  
MANSFIELD INLAND WETLANDS AGENCY  
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268  
TEL: 860-429-3334 OR 860-429-3330  
FAX: 860-429-6863

## FOR OFFICE USE ONLY

File # Exemption  
Fee Paid -  
Date Received 9-27-12

Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact Grant Meitzler, Inland Wetlands Agent at the telephone numbers above.

Please print or type or use similar format for computer; attach additional pages as necessary.

### Part A - Applicant

Name TOWN OF MANSFIELD

Mailing Address 4 SOUTH EAGLEVILLE RD.

MANSFIELD-STORRS, CT Zip 06268

Telephone-Home \_\_\_\_\_ Telephone-Business 860-429-3015

Title and Brief Description of Project SUNNY ACRES PARK PLAYScape  
REPLACEMENT

Location of Project SUNNY ACRES PARK

Intended Start Date OCT. 17

### Part B - Property Owner (if applicant is the owner, just write "same")

Name ~~TOWN OF MAN~~ SAME

Mailing Address \_\_\_\_\_

Zip \_\_\_\_\_

Telephone-Home \_\_\_\_\_ Telephone-Business \_\_\_\_\_

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature Chris Vincent date 9-27-12

Applicant's interest in the land: (if other than owner) \_\_\_\_\_

Part C - Project Description (attach extra pages, if necessary)

- 1) Describe in detail the proposed activity here or on an attached page. (See guidelines at end of application – page 6.)

Please include a description of all activity or construction or disturbance:

- a) in the wetland/watercourse  
b) in the area adjacent to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is off your property

SEE ATTACHED

- 2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) in the wetland/watercourse  
b) in the area adjacent to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is off your property

2,736 SQ FT.

- 3) Describe the type of materials you are using for the project: SEE ATTACHED

- a) include type of material used as fill or to be excavated

SURFACE TOPSOIL/SUBSURFACE GRAVEL

- b) include volume of material to be filled or excavated

101.33 CUBIC YARDS

TO BE REPAIRED BY PLAYGROUND SAFETY SURFACE (ENGINEERED WOOD FIBER)

- 4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).

SILT FENCE IF DETERMINED TO BE NECESSARY

Part D - Site Description

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

FLAT, WELL DRAINED



### Part E - Alternatives

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

NONE AVAILABLE

### Part F - Map/Site Plan (all applications)

- 1) Attach to the application a map or site plan showing **existing conditions** and the **proposed project** in relation to wetland/ watercourses. Scale of map or site plan should be 1" = 40'; if this is not possible, please indicate the scale that you are using. A sketch map may be sufficient for small, minor projects. (See guidelines at end of application – page 6.)
- 2) Applicant's map date and date of last revision \_\_\_\_\_
- 3) Zone Classification \_\_\_\_\_
- 4) Is your property in a flood zone? \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Don't Know

### Part G - Major Applications Requiring Full Review and a Public Hearing

See Section 6 of the Mansfield Regulations for additional requirements.

### Part H - Notice to Abutting Property Owners

- 1) List the names and addresses of abutting property owners

| Name  | Address |
|-------|---------|
| _____ | _____   |
| _____ | _____   |
| _____ | _____   |
| _____ | _____   |
| _____ | _____   |

- 2) **Written Notice to Abutters.** You must notify abutting property owners by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** (This is not needed for exemptions).

**Part I - Additional Notices, if necessary**

- 1) Notice to Windham Water Works is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW of your project within 7 days of sending the application to Mansfield--sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.
- 2) Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.
- 3) The Statewide Reporting Form (attached) shall be part of the application and specified parts must be completed and returned with this application.

**Part J - Other Impacts To Adjoining Towns, if applicable**

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? \_\_\_ Yes ☒ No \_\_\_ Don't Know
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? \_\_\_ Yes ☒ No \_\_\_ Don't Know
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? \_\_\_ Yes ☒ No \_\_\_ Don't Know

**Part K - Additional Information from the Applicant**

Set forth (or attach) any other information which would assist the Agency in evaluating your application. *(Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.)*

**Part L - Filing Fee**

Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

☒ \$1,000. \_\_\_ \$750. \_\_\_ \$500. \_\_\_ \$250. \_\_\_ \$125. \_\_\_ \$100. \_\_\_ \$50. \_\_\_ \$25.

\_\_\_ \$60 State DEP Fee

*Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.*

*The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by members and agents of the Inland Wetlands Agency, at reasonable times, both before and after the permit in question, has been granted by the Agency.*

*Curt Vincent*

Applicant's Signature

*9-27-12*

Date



Mansfield  
Community  
Center

Town of Mansfield  
Parks and Recreation  
Department



*Curt A. Vincente, Director*

10 South Eagleville Road  
Storrs/Mansfield, Connecticut 06268  
Tel: (860) 429-3015 Fax: (860) 429-9773  
Email: Parks&Rec@MansfieldCT.org  
Website: www.MansfieldCT.org

TO: Curt Hirsch, Zoning Agent

FROM: Curt Vincente, Director of Parks & Recreation *CA*

DATE: September 27, 2012

SUBJECT: Sunny Acres Park Playscape Replacement Project  
Attachment to "Request for Site Modifications"

The Town of Mansfield will be replacing the existing playscape at Sunny Acres Park. The existing playscape is over 20 years old and is no longer repairable. As part of this project, other site improvements are planned, which may be done in phases as time permits for the Public Works Department to fit into their work schedules. The details of the Sunny Acres Park Playscape Replacement Project are as follows:

- The new playscape will be similar in size to the existing playscape, but will be located slightly to the south of the existing playscape to allow for a future parking addition. The dimensions of the fallzone area for the the new playscape are 76' by 36' or 2,736 square feet. Attached are detailed drawings of the new playscape site dimensions and also a color rendering of what the playscape will look like.
- The Town will hire a local landscape contractor to prepare the site for the new playscape, which is shown on the attached map. This work will include removal of some overgrowth and invasive scrubs at the edge of the field, limited branch trimming, removal of one small, four inch tree, and excavation of surface material (12 inch depth, by the dimensions indicated above) to accommodate the playscape safety surfacing. The material will be removed from the site and deposited at the Town Landfill in the appropriate stockpiles. Once the site is prepared, the construction area will be secured with caution tape until the installer completes the installation.
- A certified playscape installer will be hired as part of the acquisition of the new playscape equipment and will be installed as specified and detailed.
- The new playscape will meet all current codes and accessibility standards as determined by the Consumer Product Safety Commission.
- An interim accessible route to the new playscape will be via the existing paved path to the existing playscape and level grass area.
- Once the new playscape is complete, the existing playscape will be secured with caution tape until such time that the Public Works Department can remove the structure and swings. As part of the existing playscape removal, the location will be prepared for a new gravel parking area to be installed. This area is shown on the attached aerial map.
- Sunny Acres Park has limited parking and the addition of approximately 12 spots, including two handicapped spots will increase accessibility for residents. The handicapped spots will be paved and striped according to current codes and similar to spots that exist at Southeast Park.

- The existing paved path to the playscape area will be extended to the new playscape on the outside of the wooden guardrail.
- Access to the new parking area will be via the existing maintenance access drive at the west end of the park.
- Wooden guardrail will be installed by a fence contractor as part of the parking lot installation.

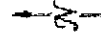
I welcome the opportunity to meet on site with you to review the details of this project.

Cc: Matt Hart, Town Manager  
Lon Hultgren, Director of Public Works  
Mark Kiefer, Superintendent of Public Works  
Jay O'Keefe, Assistant Director of Parks & Recreation  
✓ Linda Painter, Director of Planning and Development  
Cherie Trahan, Director of Finance

# Town of Mansfield, CT - Sunny Acres Park With Wetlands



- Zoning
- Conservation Easement
- Railroad
- Trails
- Parcels
- Streams
- water
- wetlands



1 in = 90.96 ft

Printed:  
9/12/2012

MainStreetGIS



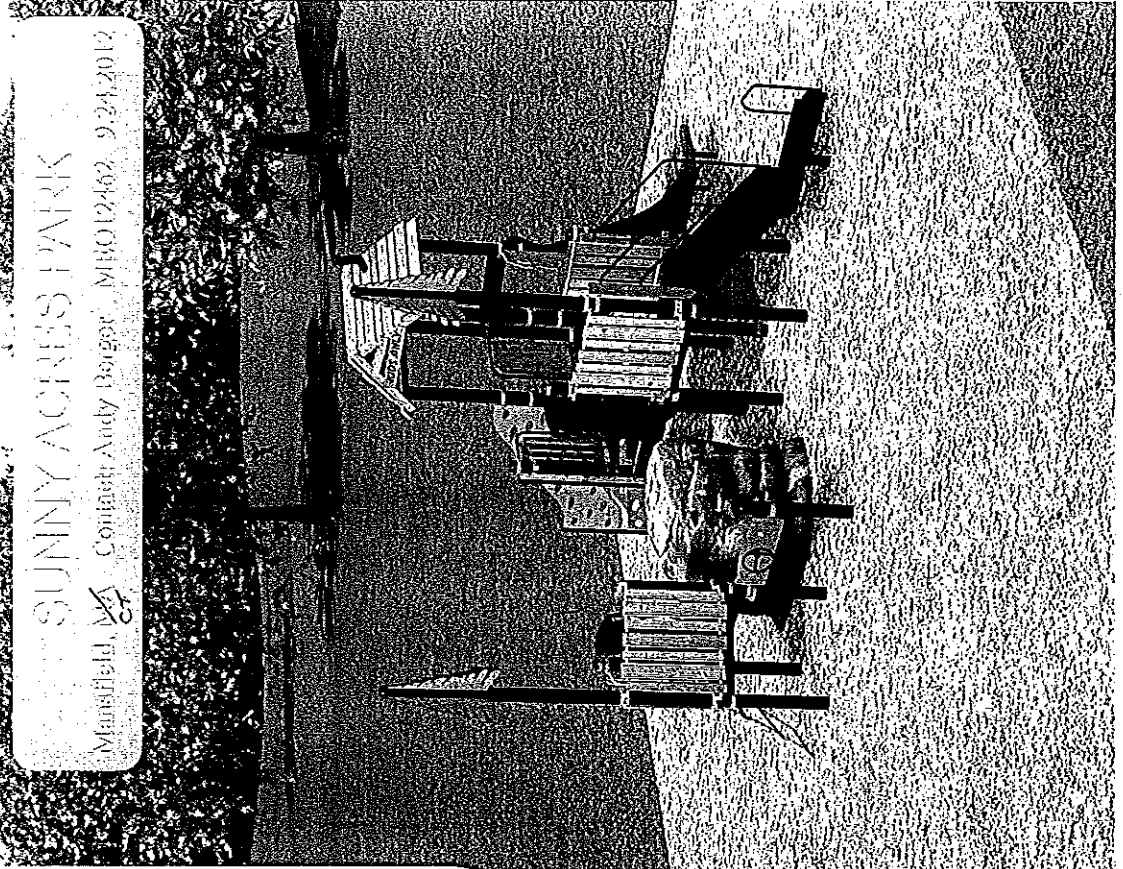
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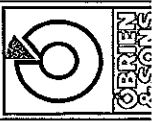




REVERSE



SUNNY ACRES PARK  
Mansfield, MA Contact: Andy Berger MFO 12462 9/24/2012



M.E. O'BRIEN & SONS, INC.  
P.O. Box 650  
93 West Street  
Medfield, MA 02052-0650  
(508) 359-4200  
FAX (508) 359-2817  
800-835-0056  
E-mail: mail@mehandsons.com





ELEMENTS FOR A  
GREAT OUTDOORS.™

landscapes  
landscape




Custom product manufacturing time for this project will be 2 weeks from the time of LSI order acceptance.





**Q**  
 0.0 km 400  
 Madrid, 14 5055-0482

**OPEN MONS**  
 0.0 km 400  
 Madrid, 14 5055-0482




SUNNY ACRES PARK  
MANFIELD, CT

M.E. O'BRIEN &  
SONS, INC.  
ANDY BERGER

SYSTEM TYPE:  
PLAYBOOSTER/IND  
DRAWING #:  
ME012462

*Mr*

landscape  
structures

The logo is circular with a scalloped edge. Inside the circle, the text "INTERNATIONAL PLASTIC EXHIBITION AND MARKETING ASSOCIATION" is written around the top half. In the center, it says "IPEMA CERTIFIED" with "IPEMA" in a larger font. At the bottom, it says "PLASTIC EXHIBITION AND MARKETING ASSOCIATION".

The product is identified  
on this document as IPEMA  
(Unless otherwise noted)  
The use and import of these  
requirements of ASTM F 1487.

[illegible]

IT IS THE MANUFACTURER'S OPINION AND  
 AUTHORITY THAT THE ABOVE DESCRIBED  
 INFORMATION CONTAINED HEREIN IS  
 U.S. CONTROLLED PRODUCT  
 SAFETY CLASSIFICATION (SCS)  
 NUMBER FOR PUBLIC INFORMATION CENTER

DESIGNED BY:  
 JDA  
 LAMARCA, R. J. MONT  
 LABORATORY SERVICES, INC.  
 460 N. EXETER STREET - 1A, Apt. Two  
 MILWAUKEE, WISCONSIN 53212  
 PH: 414-333-4120 FAX: 414-333-4771

| Date | Previous Drawing # | Revisions |
|------|--------------------|-----------|
|      |                    |           |

Wetlands Draft Approval Motion for:

Re: W1492 - Michael & Mary Healey

\_\_\_\_\_ moves and \_\_\_\_\_ seconds, to approve the application for a modification to the March 8, 2011 wetlands approval (file W1492), submitted by Michael and Mary Healey for barn renovation and improvements to be located on property owned by Michael and Mary Healey, located at 476 Storrs Road, as depicted on a plan dated January 17, 2012 and bearing latest revision date 9.25.2012.

This action is based on a finding of no significant impact, and is conditioned on the following provisions being met:

1. All erosion and sediment controls as described in the application shall be in place prior to construction, maintained during construction and removed when disturbed areas are completely stabilized.
2. All conditions of the original approval are to remain in effect.

This modification is an amendment to the original approval and is made a part thereof and is to be valid for a period of five years (until October 1, 2017), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this Agency for further review and comment.

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Memorandum:

September 26, 2012

To: Inland Wetland Agency

From: Grant Meitzler, Inland wetland Agent

Re: W1492 - Healey - 476 Storrs Rd - barn renovation

plan reference: dated 1.17.2012, revised 9.25.2012

This application is for modification of the earlier wetlands approval since there have been minor changes to the plans since that permit was issued.

The plan reference revision date above represents the present plan. The changes are minor and involve minor changes to the dimensions of the ell on the barn that is closest to the main house.

A future addition is shown on the north side of the front house on the site. This is outside the 150' upland review area.

All of the earlier conditions should remain in effect. A copy of the earlier Wetland Agency approval letter is attached - dated March 8, 2011.

**TOWN OF MANSFIELD  
INLAND WETLAND AGENCY**

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILL ROAD  
STORRS, CT 06268  
(860) 429-3330

Tuesday, March 08, 2011

Mr. Michael Healey, L.S.  
P. O. Box 557  
Mansfield Center, CT 06250

Re: Mansfield's IWA Approval  
IWA file #1492

Dear Mike,

At a meeting held on 4/2/12, the Mansfield Inland Wetlands Agency adopted the following motion:

"to approve an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to Michael and Mary Healey (file # W1492), for barn renovations, additions and appurtenant site improvements to an existing barn, located at 476 Storrs Road, as shown on a site plan dated January 17, 2012 and revised to March 5, 2012, for portions of work located within the 150 foot regulated areas, and as described in application submissions and presentations made to the Inlands Wetlands Agency at meetings held on February 2, 2012, March 5, 2012 and April 2, 2012.

This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

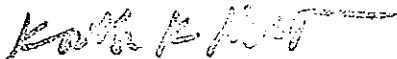
1. Erosion and sedimentation controls shall be in place (as shown on the plans) prior to construction, maintained during construction, and removed when disturbed areas are completely stabilized.
2. The use of chemicals and fertilizers is to be based on soil testing to avoid over use that will change the chemistry of the bog.
3. The cattail removal operation is to be coordinated with the Inland Wetlands Agent.

This approval is valid until April 2, 2017, at which time a renewal of the permit is required if work has not been completed. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this Agency for further review and comment."

If you have any questions regarding this action, please call the Planning Office at 429-3330.

This letter constitutes your license.

Very truly yours,



Katherine K. Holt, Secretary  
Mansfield Inland Wetlands Agency

MODIFICATION OF EXISTING PERMIT

APPLICATION FOR PERMIT  
MANSFIELD INLAND WETLANDS AGENCY  
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268  
TEL: 860-429-3334 OR 860-429-3330  
FAX: 860-429-6863

FOR OFFICE USE ONLY

File # 1490  
Fee Paid \_\_\_\_\_  
Date Received 9-27-12

Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact Grant Meitzler, Inland Wetlands Agent at the telephone numbers above.

Please print or type or use similar format for computer; attach additional pages as necessary.

Part A - Applicant

Name EAST BROOK F, LLC

Mailing Address 360 BLOOMFIELD AVENUE  
WINDSOR, CT Zip 06095

Telephone-Home \_\_\_\_\_ Telephone-Business 860-683-9000

Title and Brief Description of Project

DELETION OF PROPOSED RETAINING WALL AND PROVIDING  
A SLOPE INSTEAD.

Location of Project 95 STORRS ROAD, MANSFIELD, CT

Intended Start Date 3/1/2012

Part B - Property Owner (if applicant is the owner, just write "same")

Name SAME

Mailing Address \_\_\_\_\_

\_\_\_\_\_ Zip \_\_\_\_\_

Telephone-Home \_\_\_\_\_ Telephone-Business \_\_\_\_\_

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature \_\_\_\_\_ date \_\_\_\_\_

Applicant's interest in the land: (if other than owner) \_\_\_\_\_

**Part C - Project Description (attach extra pages, if necessary)**

- 1) Describe in detail the proposed activity here or on an attached page. (See guidelines at end of application - page 6.)

Please include a description of all activity or construction or disturbance:

- a) in the wetland/watercourse  
b) in the area adjacent to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is off your property

THE APPROVED PLAN INCLUDES A LANDSCAPED RETAINING WALL. IT IS PROPOSED TO DELETE THE WALL AND INSTALL AN EARTHEN SLOPE. THE SLOPE WILL BE PLANTED AND IRRIGATED. THIS WILL REQUIRE WORK ACROSS THE PROPERTY LINE. AN AGREEMENT WITH THE ABUTTER IS BEING DRAFTED.

- 2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) in the wetland/watercourse  
b) in the area adjacent to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is off your property

THERE IS NO DIRECT IMPACT ASSOCIATED WITH THIS PLAN. AN ADDITIONAL 4,600 SF OF UPLAND WILL BE DISTURBED.

- 3) Describe the type of materials you are using for the project:

JUST AN EARTHEN SLOPE AND LANDSCAPING WITH IRRIGATION.

- a) include **type** of material used as fill or to be excavated CLEAN GRANULAR FILL  
b) include **volume** of material to be filled or excavated THIS CHANGE WILL SHOW NO NET CHANGE IN CUT OR FILL MATERIAL.

- 4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).

ALL AREAS DISTURBED ARE GRANULAR UPLAND SOILS THAT DRAIN AWAY FROM THE WETLANDS. STANDARD S.E.C. BMP'S WILL BE USED.

**Part D - Site Description**

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

DEVELOPED MALL AND FIELD.



**Part E - Alternatives**

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

WALLS OR SLOPES

**Part F - Map/Site Plan (all applications)**

- 1) Attach to the application a map or site plan showing **existing conditions** and the **proposed project** in relation to wetland/ watercourses. Scale of map or site plan should be 1" = 40'; if this is not possible, please indicate the scale that you are using. A sketch map may be sufficient for small, minor projects. (See **guidelines** at end of application – page 6.)
- 2) Applicant's map date and date of last revision 8/30/2012
- 3) Zone Classification \_\_\_\_\_
- 4) Is your property in a flood zone? ☐ Yes ☐ No ☐ Don't Know

**Part G - Major Applications Requiring Full Review and a Public Hearing**

See Section 6 of the Mansfield Regulations for additional requirements.

**Part H - Notice to Abutting Property Owners**

- 1) List the names and addresses of abutting property owners

Name

Address

LIST ATTACHED

- 2) **Written Notice to Abutters.** You must notify abutting property owners by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** (This is not needed for exemptions).

**Part I - Additional Notices, if necessary**

- 1) Notice to Windham Water Works is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW of your project within 7 days of sending the application to Mansfield--sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.
- 2) Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.
- 3) The Statewide Reporting Form (attached) shall be part of the application and specified parts must be completed and returned with this application.

**Part J - Other Impacts To Adjoining Towns, if applicable**

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? \_\_\_ Yes ☒ No \_\_\_ Don't Know
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? \_\_\_ Yes ☒ No \_\_\_ Don't Know
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? \_\_\_ Yes ☒ No \_\_\_ Don't Know

**Part K - Additional Information from the Applicant**

Set forth (or attach) any other information which would assist the Agency in evaluating your application. *(Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.)*

**Part L - Filing Fee**

Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

\_\_\_ \$1,000. \_\_\_ \$750. \_\_\_ \$500. \_\_\_ \$250. \_\_\_ \$125. \_\_\_ \$100. \_\_\_ \$50. \_\_\_ \$25.

\_\_\_ \$60 State DEP Fee

*Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.*

**The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by members and agents of the Inland Wetlands Agency, at reasonable times, both before and after the permit in question has been granted by the Agency.**

\_\_\_\_\_  
Applicant's Signature

9/27/12  
\_\_\_\_\_  
Date

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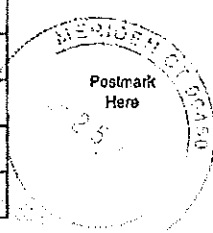
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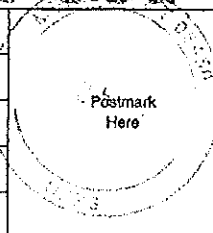
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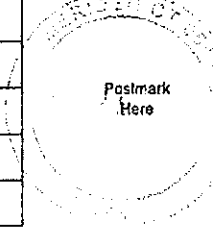
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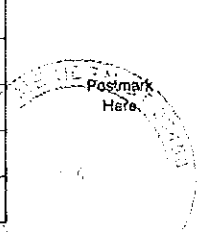
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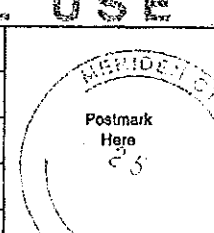
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| <b>OFFICIAL USE</b>                                                                          |         |
| Postage                                                                                      | \$ .45  |
| Certified Fee                                                                                | 2.95    |
| Return Receipt Fee (Endorsement Required)                                                    | 2.35    |
| Restricted Delivery Fee (Endorsement Required)                                               |         |
| Total Postage & Fees                                                                         | \$ 5.75 |
|           |         |
| Sent To: ELAB LLC                                                                            |         |
| Street, Apt. No., or PO Box No.: 1 SHEFFIELD DRIVE                                           |         |
| City, State, ZIP+4: STORRS CT 06268                                                          |         |
| PS Form 3800, August 2006 See Reverse for Instructions                                       |         |

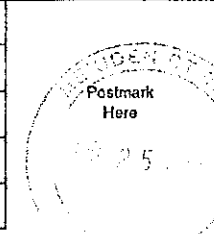
7011 0470 0002 2018 5822

|                                                                                              |         |
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| U.S. Postal Service <sup>TM</sup>                                                            |         |
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| Postage                                                                                      | \$ .45  |
| Certified Fee                                                                                | 2.95    |
| Return Receipt Fee (Endorsement Required)                                                    | 2.35    |
| Restricted Delivery Fee (Endorsement Required)                                               |         |
| Total Postage & Fees                                                                         | \$ 5.75 |
|           |         |
| Sent To: JARED AND LAUREN PHAIAH                                                             |         |
| Street, Apt. No., or PO Box No.: 109 CONTANTVILLE ROAD                                       |         |
| City, State, ZIP+4: MANSFIELD CENTER CT 06250                                                |         |
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| U.S. Postal Service <sup>TM</sup>                                                            |         |
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| <b>OFFICIAL USE</b>                                                                          |         |
| Postage                                                                                      | \$ .45  |
| Certified Fee                                                                                | 2.95    |
| Return Receipt Fee (Endorsement Required)                                                    | 2.35    |
| Restricted Delivery Fee (Endorsement Required)                                               |         |
| Total Postage & Fees                                                                         | \$ 5.75 |
|          |         |
| Sent To: SHANTI CORPORATION                                                                  |         |
| Street, Apt. No., or PO Box No.: 123 STORRS ROAD                                             |         |
| City, State, ZIP+4: MANSFIELD CENTER CT 06250                                                |         |
| PS Form 3800, August 2006 See Reverse for Instructions                                       |         |

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| (Domestic Mail Only; No Insurance Coverage Provided)                                         |         |
| For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a> |         |
| <b>OFFICIAL USE</b>                                                                          |         |
| Postage                                                                                      | \$ .45  |
| Certified Fee                                                                                | 2.95    |
| Return Receipt Fee (Endorsement Required)                                                    | 2.35    |
| Restricted Delivery Fee (Endorsement Required)                                               |         |
| Total Postage & Fees                                                                         | \$ 5.75 |
|         |         |
| Sent To: JOSEPHINE RAYMOND                                                                   |         |
| Street, Apt. No., or PO Box No.: 16 RIVERVIEW ROAD                                           |         |
| City, State, ZIP+4: MANSFIELD CENTER CT 06250                                                |         |
| PS Form 3800, August 2006 See Reverse for Instructions                                       |         |



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|                                                   |        |                  |
|---------------------------------------------------|--------|------------------|
| Postage                                           | \$ .45 | Postmark<br>Here |
| Certified Fee                                     | 2.95   |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35   |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |        |                  |
| Total Postage & Fees                              | \$5.75 |                  |

Sent To: ROSLYN REALTY LLC  
 Street, Apt. No., or PO Box No.: PO BOX 82  
 City, State, ZIP+4: BOZRAH CT 06334

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|---------------------------------------------------|--------|------------------|
| Postage                                           | \$ .45 | Postmark<br>Here |
| Certified Fee                                     | 2.95   |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35   |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |        |                  |
| Total Postage & Fees                              | \$5.75 |                  |

Sent To: FRIETHA LAWRENCE  
 Street, Apt. No., or PO Box No.: 6 STORRS ROAD  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

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|---------------------------------------------------|---------|------------------|
| Postage                                           | \$ .45  | Postmark<br>Here |
| Certified Fee                                     | 2.95    |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |         |                  |
| Total Postage & Fees                              | \$ 5.75 |                  |

Sent To: HAYES-KAUFMAN MANSFIELD  
 Street, Apt. No., or PO Box No.: 481 PLEASANT VALLEY ROAD  
 City, State, ZIP+4: MANCHESTER CT 06040

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|---------------------------------------------------|--------|------------------|
| Postage                                           | \$ .45 | Postmark<br>Here |
| Certified Fee                                     | 2.95   |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35   |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |        |                  |
| Total Postage & Fees                              | \$5.75 |                  |

Sent To: COLLEGE MART  
 Street, Apt. No., or PO Box No.: SUITE 200  
 City, State, ZIP+4: SHAW'S COVE NEW LONDON CT 06320

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|---------------------------------------------------|--------|------------------|
| Postage                                           | \$ .45 | Postmark<br>Here |
| Certified Fee                                     | 2.95   |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35   |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |        |                  |
| Total Postage & Fees                              | \$5.75 |                  |

Sent To: EJK PROPERTIES LLC  
 Street, Apt. No., or PO Box No.: 132 CONANTVILLE ROAD  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

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|---------------------------------------------------|---------|------------------|
| Postage                                           | \$ .45  | Postmark<br>Here |
| Certified Fee                                     | 2.95    |                  |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |                  |
| Restricted Delivery Fee<br>(Endorsement Required) |         |                  |
| Total Postage & Fees                              | \$ 5.75 |                  |

Sent To: NATHANIEL RICHTER  
 Street, Apt. No., or PO Box No.: 13 POLLACK ROAD  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

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|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: WALTER H ALBERT  
 Street, Apt. No., or PO Box No.: PO BOX 44  
 City, State, ZIP+4: WILLIMANTIC CT 06226

PS Form 3800, August 2006 See Reverse for Instructions

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|                                                   |         |
|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: MCGRUNKERY LLC  
 Street, Apt. No., or PO Box No.: 95 HANKS HILL ROAD  
 City, State, ZIP+4: STORRS CT 06268

PS Form 3800, August 2006 See Reverse for Instructions

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|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: STEVEN KARAPATA  
 Street, Apt. No., or PO Box No.: 8A EASTBROOK HEIGHTS ROAD  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

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|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: ARTHUR J ENGLER  
 Street, Apt. No., or PO Box No.: 13 EASTWOOD ROAD  
 City, State, ZIP+4: STORRS CT 06268

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|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: DARIA L DILAJ  
 Street, Apt. No., or PO Box No.: 17 BRITONY DRIVE  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

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|---------------------------------------------------|---------|
| Postage                                           | \$ .45  |
| Certified Fee                                     | 2.95    |
| Return Receipt Fee<br>(Endorsement Required)      | 2.35    |
| Restricted Delivery Fee<br>(Endorsement Required) |         |
| Total Postage & Fees                              | \$ 5.75 |

Postmark Here

Sent To: CHAMPAGNE TOY STORE LLC  
 Street, Apt. No., or PO Box No.: 106 STORRS ROAD  
 City, State, ZIP+4: MANSFIELD CENTER CT 06250

PS Form 3800, August 2006 See Reverse for Instructions



**Grant Meitzler**

---

**From:** Lon R. Hultgren  
**Sent:** Thursday, September 20, 2012 2:59 PM  
**To:** Grant Meitzler  
**Subject:** FW: Legal notice for repairs to dam at Eagleville Lake 9/19/12  
 FYI.

**From:** Willimantic River Alliance [mailto:info@willimanticriver.org]  
**Sent:** Thursday, September 20, 2012 1:46 PM  
**To:** Alexandria Roe; Allison Hilding; Bruce Rich; Carl Schaefer (UConn Email); Chronicle News; Chronicle Editor; Jim Hayes; Curt A. Vincente; Dagmar Noll; Dave Murphy; David Vidich; EHHD General Info; Eric Thomas; Eric Thomas; Eric Trott; Cynthia Mac Donald; Ingrid Aarested; Jana Butts; Jason Colte; Jean Pillo; Jennifer S. Kaufman; John Elsesser; Kenneth Rawn; Ken Metzler; Larry Diamond; Laurie Giannotti; Larry Diamond; Linda M. Painter; Lois Bruinooge; Lon R. Hultgren; Lori Mathieu; Mark Paquette; Town Mng'r; Mike Powers; Pat Bresnahan; Paul Pribula; Richard Miller; Rivers Alliance of CT; Ruth Cutler; Shannon Rose; Steve Baker; Vicky Wetherell; Wayne Norman  
**Subject:** Legal notice for repairs to dam at Eagleville Lake 9/19/12

**PUBLIC NOTICES**[Home](#)**INVITATION TO BID**

STATE OF CONNECTICUT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER PROTECTION AND LAND REUSE  
 INLAND WATER RESOURCES DIVISION  
 79 ELM STREET, 3RD FLOOR WEST  
 HARTFORD, CONNECTICUT 06106-5127  
 TELEPHONE (860) 424-3706

**PROJECT NAME: IMPROVEMENTS AND REPAIRS TO EAGLEVILLE LAKE DAM****BID OPENING DATE: Thursday, October 18, 2012, 11:00 am****DEPOSIT REQUIRED: \$150** (non refundable) payable to "Treasurer, State of Connecticut"

1. You are invited to bid on a general contract for construction described as follows:
  - a. Improvements and repairs to Eagleville Lake Dam, including placement and grouting of riprap at the base of the spillway; placement of fill into voids behind the stone masonry walls on both the right and left sides of the downstream channel; repair of chipped and cracked concrete along both the right and left side training walls; and repair of the interior walls and removal of sediment from the existing intake chamber.
2. The Department of Energy & Environmental Protection will receive sealed proposals from bidders until 11:00 am on the bid opening date shown above in the offices of the Inland Water Resources Division, 3rd Floor, 79 Elm Street, Hartford, Connecticut. Proposals received after that time will not be accepted. All interested parties are invited to attend. Proposals will be opened publicly and read aloud.
3. The Contract Bid Documents may be examined and obtained at the office of the Department of Energy & Environmental Protection, Inland Water Resources Division between the hours of 8:30 a.m. and 4:00 p.m. (excluding noon to 1 p.m.) at the above noted address. Packages may be picked up at the above office in Hartford or may be mailed after receipt of the non-refundable deposit. No packages will be available at the site showing.
4. A mandatory pre-bid meeting will be held on **Tuesday, October 2, 2012 at 10:00 am.**

9/20/2012

Representatives of the Inland Water Resources Division will meet prospective bidders at Eagleville Lake Dam for the purpose of conducting a site inspection.

5. As security, each bid must be accompanied by a Bid Bond, in the form required by the Department and having surety thereto such Surety Company or Companies as are authorized to do business in the State of Connecticut, in the amount of 10% of the Total Bid Price. The Department reserves the right to reject any or all bids and to waive technical defects or irregularities.

6. Bidders must be able to demonstrate recent successful experience with the type of work described in this bid package. Bidders must also list the specific personnel possessing that experience and their intent to employ these same personnel for this project. This information is required in the Statement of Bidders Qualifications section, pages BQ-1 through BQ-3. The Department reserves the right to reject any bidders who lack recent experience with the type of work required for this project.

EXECUTIVE ORDERS NO. THREE, SEVENTEEN, SIXTEEN AND 7C:

Bidders are advised that the Contract for this project shall be subject to Executive Order No. Three regarding nondiscrimination, promulgated June 16, 1971, and to the Guidelines and Rules of the State Labor Commissioner implementing said Executive Order.

Bidders are advised that the Contract for this project shall be subject to Executive Order No. Seventeen, promulgated February 15, 1973, requiring contractors and subcontractors to list employment openings with the Connecticut State Employment Service.

Bidders are advised that the Contract for this project shall be subject to Executive Order No. Sixteen, promulgated August 4, 1999, regarding violence in the workplace.

Bidders are advised that the Contract for this project shall be subject to Executive Order No. 7C promulgated July 13, 2006 regarding contracting reforms.

Said documents are hereby incorporated herein and made a part hereof as though fully set forth herein. Bidders may receive copies of these upon request.

Prospective bidders may contact Ted Rybak of the DEEP / Inland Water Resources Division at (860) 424-3706 for additional information or clarification regarding the Bid and Contract Documents.

Daniel C. Esty  
Commissioner

Department of Environmental Protection

Appeared in: *Hartford Courant* on Wednesday, 09/19/2012